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**U.S. Army  
Environmental  
Center**

**FINAL  
PHASE I SITE INSPECTION REPORT  
FOR SITES IDENTIFIED IN THE 1994  
PRELIMINARY ASSESSMENT REPORT AND AREAS OF  
CONCERN 3, 8, 9  
FORT ALLEN  
JUANA DIAZ, PUERTO RICO**

**VOLUME II OF II  
APPENDICES A THROUGH K**

**CONTRACT DACA31-94-D-0061  
DELIVERY ORDER NO. 0010**

**U.S. ARMY ENVIRONMENTAL CENTER  
ABERDEEN PROVING GROUND, MARYLAND**

**JANUARY 1997**

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**GEOPROBE DATA RECORDS**

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area OMS-9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-01 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1352	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH, CLAY, high plasticity, brown, no odor, moist					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-01 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1406	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) 1228 ppm OH, CLAY, high plasticity, mottled brown/gray/black w/ some staining, moderate petroleum-like odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-02 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1437	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SANDY CLAY, medium grained, brown, no odor, moist					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-02 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1448	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY, medium plasticity, mottled brown/gray/green, no odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	



## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area OMS-9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
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GP-M9-03 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1523	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
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Observations (Texture, Color, Odor, Etc.)

OH, CLAY, high plasticity, brown to black, no odor, moist

Sample Collected for:

☐ Laboratory Analysis  
☐ Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
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GP-M9-03 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1534	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
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Observations (Texture, Color, Odor, Etc.)

CL, CLAY, medium to high plasticity, mottled gray/brown/green, no odor, moist

Sample Collected for:

☒ Laboratory Analysis  
☐ Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
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GP-M9-04 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1550	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
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Observations (Texture, Color, Odor, Etc.)

ML, SILTY CLAY, slight plasticity, brown, no odor, dry

Sample Collected for:

☐ Laboratory Analysis  
☐ Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
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GP-M9-04 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1602	<input type="checkbox"/> Inches <input type="checkbox"/> Soil Probe <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
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Observations (Texture, Color, Odor, Etc.)

OH, CLAY, high plasticity, brown, no odor, moist

Sample Collected for:

☒ Laboratory Analysis  
☐ Field Analysis

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area OMS-9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-05 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	0936	0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL CLAY, w/ roots, high plasticity, brown, no odor & sn moist.					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-05 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	0946	6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY, medium plasticity, no odor, moist, brown					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		<input type="checkbox"/> Water <input type="checkbox"/> Soil/Sed			<input type="checkbox"/> Inches <input type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.)					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		<input type="checkbox"/> Water <input type="checkbox"/> Soil/Sed			<input type="checkbox"/> Inches <input type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.)					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Project FORT ALLEN, PRStudy Area PAINT AND CHEMICAL STORAGE AREA

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-01-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/13/16	0910	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) 3"-1' - FILL GRAVELLY (CLAY) 1'-4' CL, CLAY, HIGHLY PLASTIC, SOME MEDIUM SAND, MEDIUM BROWN COLOR					<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-01-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/15/16	0931	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) slight sand 6-10 CL, CLAY, medium brown, med plasticity, dry, some med sand					<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-02-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/13	0955 0955	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML CLAY w/ gravel (rounded), brown, med. plasticity, no odor, moist					<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-02-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/13	1007	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SANDY CLAY, medium brown, medium to coarse grained sand, angular, dry, slight plasticity					<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area PAINT AND CHEMICAL STORAGE

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-03-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1040	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAY w/ gravel, brown, moderate plasticity, moist, no odor						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-03-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1052	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH, CLAY, highly plastic, minor sand (<10%), brown, no odor, moist						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-04-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1111	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAY w/ some sand, brown to black, no odor, moist moderate plasticity, some roots						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-04-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1119	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SAND & CLAY, brown, medium to coarse grained sand, no odor, slight plasticity, dry						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis

Project FOOT ALLEN PR  
 Study Area PESTICIDE/HERBICIDE

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PH-01-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1417	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, SANDY CLAY, slight plasticity, brown, no odor, dry, medium grained sand.					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PH-01-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1426	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH, CLAY, highly plastic, some coarse sand, dry, brown					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PH-02-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1507	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, SANDY CLAY, medium to coarse grained sand, brown, slight plasticity, dry, no odor.					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PH-02-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1515	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL SANDY CLAY, medium to coarse grained sand, mottled brown/grey/orange, medium plasticity, dry, no odor					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis	

# FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, ID  
 Study Area WESTERN REGIONAL

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PH-0304		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1537	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY w/ gravel, medium plasticity, brown, dry, no odor						Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PH-03610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1548	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY, w/sand (med grained), medium plasticity, brown moist, no odor						Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input checked="" type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		<input type="checkbox"/> Water <input type="checkbox"/> Soil/Sed			<input type="checkbox"/> Inches <input type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.)						Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		<input type="checkbox"/> Water <input type="checkbox"/> Soil/Sed			<input type="checkbox"/> Inches <input type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.)						Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Project FORT ALLEN, PRStudy Area WASTE WATER TREATMENT PLANT

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-01 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1019	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) OH, CLAY, high plasticity, brown, no odor, moist					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-01 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1027	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) ML, clayey SILT, slight plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-02 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1050	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, slight plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-02 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1058	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, slight plasticity, brown, no odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PR  
Study Area WASTE WATER TREATMENT PLANT

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-04 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1342	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe 0-4 <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water	
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium plasticity, brown, no odor, moist						Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-04 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1350	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe 6-10 <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water	
<b>Observations</b> (Texture, Color, Odor, Etc.) ML CL, CLAYEY SILT, little plasticity, brown, no odor, moist						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-03 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-17	0847	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe 0-4 <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water	
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY, medium plasticity, brown, no odor, moist						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-03 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-17	0854	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe 6-10 <input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water	
<b>Observations</b> (Texture, Color, Odor, Etc.) ML SILTY CLAY, slight plasticity, brown, no odor, dry						Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis



Project FORT ALLEN, PR  
 Study Area WASTE WATER TREATMENT PLANT

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-06 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1136	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) CL, CLAY w/ roots, medium plasticity, brown, no odor, dry					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-06 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1143	<input type="checkbox"/> Inches <del>6-10</del> <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, slight to medium plasticity, brown/gray, no odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-05 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1311	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, little to no plasticity, brown, no odor, dry					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-WW-05 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	1318	<input type="checkbox"/> Inches <del>6-10</del> <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium plasticity, brown, no odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FT ALLEN

Study Area AOC 3

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-01 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1352	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium plasticity, roots, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-01 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1400	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, SLIGHT plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-02 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1431	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-02 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1438	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, little to no plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Project FORT ALLEN, PRStudy Area AOC 3

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-03 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/14	1512	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium plasticity, brown, some gravel (<5%) dry, no odor						<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-03 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/14	1521	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, no to little plasticity, brown, no odor, dry						<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-04 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/14	1556	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY w/ roots, medium plasticity, brown, no odor, moist						<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-04 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11/14	1605	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, little to no plasticity, brown, no odor						<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area AOC 3

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-05 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	0808	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, little to no plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-06 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	0848	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, SILTY CLAY, medium plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-07 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	0937	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, low plasticity, very hard, brown to gray, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-08 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1036	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT w/ some coarse sand, hard, little to no plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area AOC 3

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-09 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1128	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> 6-10 Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, hard, little to no plasticity, brown, no odor, dry.					<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-09 <sup>10</sup> (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-15	1212	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> 6-10 Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAYEY SILT, hard, little to no plasticity, brown, dry, no odor.					<b>Sample Collected for:</b> <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		<input type="checkbox"/> Water <input type="checkbox"/> Soil/Sed			<input type="checkbox"/> Inches <input type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.)					<b>Sample Collected for:</b> <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		<input type="checkbox"/> Water <input type="checkbox"/> Soil/Sed			<input type="checkbox"/> Inches <input type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.)					<b>Sample Collected for:</b> <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PR  
Study Area AOC8

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-08-01 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	0805	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH, SANDY CLAY, high plasticity, medium sand, brown, no odor, moist					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-08-01 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	0813	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, SILTY CLAY, slight plasticity, brown/gray, no odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-08-02 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	0842	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, GRAVELY CLAY, brown, medium plasticity, no odor, moist					Sample Collected for: <input type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-08-02 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-16	0852	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, GRAVELY CLAY, medium to high plasticity, brown, no odor, wet					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, FRStudy Area AUC 9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-01-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1319	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, CLAY, w/ sand + gravel (med sand), brown, no odor, wet at 6", moderately plastic					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-01-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1327	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH CLAY, highly plastic, some coarse angular sand brown, saturated					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-02-04		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1350	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL CLAY SANDY CLAY, medium to coarse grained, brown, medium plasticity, moist, no odor					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-02-610		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-13	1342	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH CLAY, highly plastic, some coarse sand, dry, brown					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

# FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FT ALLEN, PR

Study Area AOC 9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-03 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0755	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY w/ roots, medium plasticity, brown, moist, no odor					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-03 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0806	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) OH, CLAY, high plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-04 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0825	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY w/ roots, medium plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-04 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0832	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) GP-09-04 CL, CLAY, w/ roots, medium plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	



## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area AOC 9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-06 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1038	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) CL, CLAY w/ roots, medium plasticity, brown to black, moist, no odor					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-06 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1045	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) ML, Clayey silt, slight plasticity, some gravel, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-07 <sup>0750</sup> (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1117	<input type="checkbox"/> Inches 0-4 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) OH, CLAY, high plasticity, brown to black w/ roots, moist, no odor					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-07 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	1127	<input type="checkbox"/> Inches 6-10 <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
Observations (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium to low plasticity, brown, dry, no odor.					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

ABB Environmental Services, Inc.

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area AOC 9

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-08 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0909	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) ML, Gravelly Clay, gravel 2 mm, brown, no odor, dry, slightly plastic					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-08 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0917	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) SC, CLAYEY SAND, medium grained, moderate sorting, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-05 (0-4)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0942	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, CLAY w/ roots, medium plasticity, brown, no odor, moist					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-09-05 (6-10)		<input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil/Sed	11-14	0950	<input type="checkbox"/> Inches <input checked="" type="checkbox"/> Feet	<input checked="" type="checkbox"/> Soil Probe <input type="checkbox"/> Surface Soil <input type="checkbox"/> Bail for Water
<b>Observations</b> (Texture, Color, Odor, Etc.) CL, silty CLAY, medium plasticity, brown, no odor, dry					Sample Collected for: <input checked="" type="checkbox"/> Laboratory Analysis <input type="checkbox"/> Field Analysis	



**SOIL BORING LOGS**

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**ABB Environmental Services, Inc.**

# SOIL BORING LOG

Study Area: **OMS-9**

Boring No.: **SB-M9-01**

Client: **AEL**

Project No. **989003**

Protection: **D**

Contractor: **SOILTECH**

Date Started: **11-19-96**

Completed: **11-19-96**

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE 580B**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **NA 12**

Logged by: **S. Donelick**

Checked by:

☒ Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2		0-2		70% $\phi$		CLAY w/ some sand (medium) high plasticity, brown, no odor, moist	OH	2 4 6 8
4								
6		5-7		100% $\phi$		CLAY, high plasticity, brown no odor, moist	OH	5 8 9 14
8								
10								
12		10-12		100% $\phi$		CLAY, high plasticity, brown no odor, moist	OH	6 10 11 16

# SOIL BORING LOG

Study Area: Pesticide/Herbicide

Boring No.: SB-PH-01

Client: AEC

Project No. 9890-03

Protection: D

Contractor: SOIL TECH

Date Started: 11-19-96

Completed: 11-19-96

Method: HSA

Casing Size: NA

PI Meter: TE 500B

Ground Elev.: NA

Soil Drilled: 10

Total Depth: 12

Logged by: S. Donelick

Checked by:

☒ Below Ground: NA

Screen: NA (ft.)

Riser: NA (ft.)

Diam: NA (ID)

Material: NA

Page 1 of 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	0	0-2		-	0	ASPHALT + GRAVEL FILL		
4								
6		S1		80%	0	CLAY, high plasticity, brown to black, no odor, moist	OH	4 6 9 12
8								
10								
12		pt2		80%	0	SILTY CLAY, medium plasticity, brown, no odor, moist.	CL	8 11 14 16

# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: **SB-09-01**

Protection: **Mod. Level D**

Completed: **11-18-96**

PI Meter: **TE 580B**

Total Depth: **12'**

Below Ground: **NA**

Page **1** of **1**

Client: **Army Environmental Center** Project No. **9890-03**

Contractor: **Soil Tech** Date Started: **11-18-96**

Method: **HSA** Casing Size: **NA**

Ground Elev.: **NA** Soil Drilled: **10'**

Logged by: **S. DONELICK** Checked by:

Screen: **NA** (ft.) Riser: **NA** (ft.) Diam: **NA** (ID) Material: **NA**

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	0-2	20	φ			CLAY, high plasticity, brown, no odor, moist, some gravel	OH	6 7 11 18
4								
6	5-7	1.7	φ			CLAY, high plasticity, brown, no odor, moist	OH	4 11 11 18
8								
10	10-12	1.5	φ			SILTY CLAY, medium plasticity, brown, no odor, dry	CL	3 8 15 21
12								

# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: **SB-09-02**

Client: **AEC**

Project No. **9890-03**

Protection: **LEX 1 D Mod.**

Contractor: **SOIL TECH**

Date Started: **11-18-96**

Completed: **11-18-96**

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE5806**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **12**

Logged by: **S. DONELICK**

Checked by:

☒ Below Ground: **NA**

Screen: **NA** (ft.)

Riser: **NA** (ft.)

Diam: **NA** (ID)

Material: **NA**

Page **1** of **1**

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2		0-2	50%	✓		OH, CLAY w/ gravel, brown high plasticity, no odor, moist	OH	5 10 15 20
4								
6		5-7	80%	✓		CLAY w/ some silt and sand, medium plasticity, brown no odor, dry	CL	7 15 16 21
8								
10		10-12	50%	✓		CLAYEY SILT, little to no plasticity, brown, no odor, dry.	ML	12 40 50
12								



# SOIL BORING LOG

Study Area: **AOC9**

Boring No.: **SB-09-03**

Client: **AEC**

Project No. **9890-03**

Protection: **D**

Contractor: **Soil Tech**

Date Started: **11-18-96**

Completed:

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE 580 B**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **12**

Logged by: **SD**

Checked by:

Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	0-2			100%	0	CLAY w/ roots, high plasticity, brown, no odor, moist	OH	6 11 20 26
4								
6	5-7			75%	0	CLAY w/ silt, medium plasticity, brown, no odor, dry	CL	10 20 17 24
8								
10								
12	10-12			50%	0	CLAY w/ silt, medium plasticity, brown, no odor, dry	CL	4 7 12 15

# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: **SB-09-04**

Client: **AEC**

Project No. **9890-03**

Protection: **Mod. Level D**

Contractor: **SOIL TECH**

Date Started: **11-18-96**

Completed: **11-18-96**

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE 580B**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **12**

Logged by: **S. Donelick**

Checked by:

Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	02	1.7	φ			CLAY w/ roots and some minor gravel, high plasticity, brown, no odor, moist	OH	2 6 12 16
4								
6	5-7		φ			ML, CLAYEY SILT, little to no plasticity, brown, no odor, dry	ML	14 22 24 27
8								
10	10-12	1.3	φ			CLAYEY SILT, w/ some medium grained sand, slight plasticity, brown, no odor, moist	ML	9 12 23 19
12								

# SOIL BORING LOG

Study Area: **AOC 3**  
 Boring No.: **MW-03-01**  
 Protection: **Mod. D.**  
 Completed:  
 PI Meter: **TE 580B (11.7eV)**  
 Total Depth: **40 ft**  
 Below Ground: **27 ft**  
 Page **1** of **2**

Client: **USAEC** Project No. **9890-03**  
 Contractor: **Soil Tech** Date Started: **11-14-96**  
 Method: **HSA** Casing Size: **6 1/4 ID HSA**  
 Ground Elev.: Soil Drilled:  
 Logged by: **M. Alonso** Checked by:  
 Screen: **15 (ft.)** Riser: **25 (ft.)** Diam: **2-in (ID)** Material: **Sch 40 PVC**

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
1330 hrs.	S-1	X	N/A	1.9/20	BKG	DARK Brown, sandy clay, plasticity highly plastic, moist, Alluvium no apparent structure or fracture PID - Background	SM	2-inch Sch 40 PVC
2.5								Cement Grout
5.0	S-2	X	N/A	1.4/20	BKG	Light Brown, fine silts, non-plastic non-friable, well graded, dry different than first sample no structures or fractures PID - Background	ML	
7.5								
10.0	S-3	X	N/A	1.3/20	BKG	Light Brown clayey silts w/ fine sand non-plastic friable, dry, no structure PID - Background	ML	
12.5								
15.0	S-4	X	N/A	1.2/20	BKG	Light Brown clayey silts w/ fine sand non-plastic, friable, dry no structure, PID background	ML	Bent. Pellets
17.5								
20.0	S-5	X	N/A	1.0/20	BKG	Light Brown clayey silts w/ fine sand changing to a medium brown sandy silty clayey mixture non-plastic, friable (white).		#2 W.G. Moire Sand Pack
22.5								
25.0	S-6	X						

BKG = Background

SOIL BORING LOG				Study Area:	ADC 3
Client: <b>USAEC</b>		Project No. <b>09890-03</b>		Boring No.:	<b>MN-03-01</b>
Contractor: <b>Soil tech</b>	Date Started:	<b>11/14/96</b>		Protection:	<b>Mod. D</b>
Method: <b>HSA</b>	Casing Size:	<b>6 1/4 I.D. HSA</b>		Completed:	<b>11/15/96</b>
Ground Elev.:	Soil Drilled:			PI Meter:	<b>TE 580B (11.5eV)</b>
Logged by: <b>M. Alonso</b>	Checked by:			Total Depth:	<b>40.0 feet</b>
Screen: <b>15 (ft.)</b>	Riser: <b>25 (ft.)</b>	Diam: <b>2-in (ID)</b>	Material: <b>Sch 40 PVC</b>	Below Ground:	<b>27 feet</b>
				Page	<b>2</b> of: <b>2</b>

4 ft Above ground

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
25	S-6	X	N/A	1.7/2.0	BKG	DARK BROWN, fine sand with gravel 1/2-in diameter, moist non-plastic, friable, poorly sorted, Alluvium, Moist. PID Background.		
27.5								
30	S-7	X	N/A	1.3/2.0	BKG	- DARK BROWN medium size sand with gravel and fines (silts) Wet, non-plastic, friable poorly sorted, Alluvium PID Background.		
32.5								
35	S-8	X	N/A	1.0/2.0	BKG	DARK BROWN medium size sand, with gravel and fines (silts) Wet, non-plastic, friable, poorly sorted alluvium of volcanic origin. PID Background.		
37.5								
40		X	N/A	1.0/2.0		DARK BROWN medium size sand with large gravel of volcanic origin with fines (silts) wet, non-plastic, friable, poorly sorted Alluvium PID Background.		
42.5						Completed boring to 40 feet.		

2-in slot Sch 40 PVC Screen

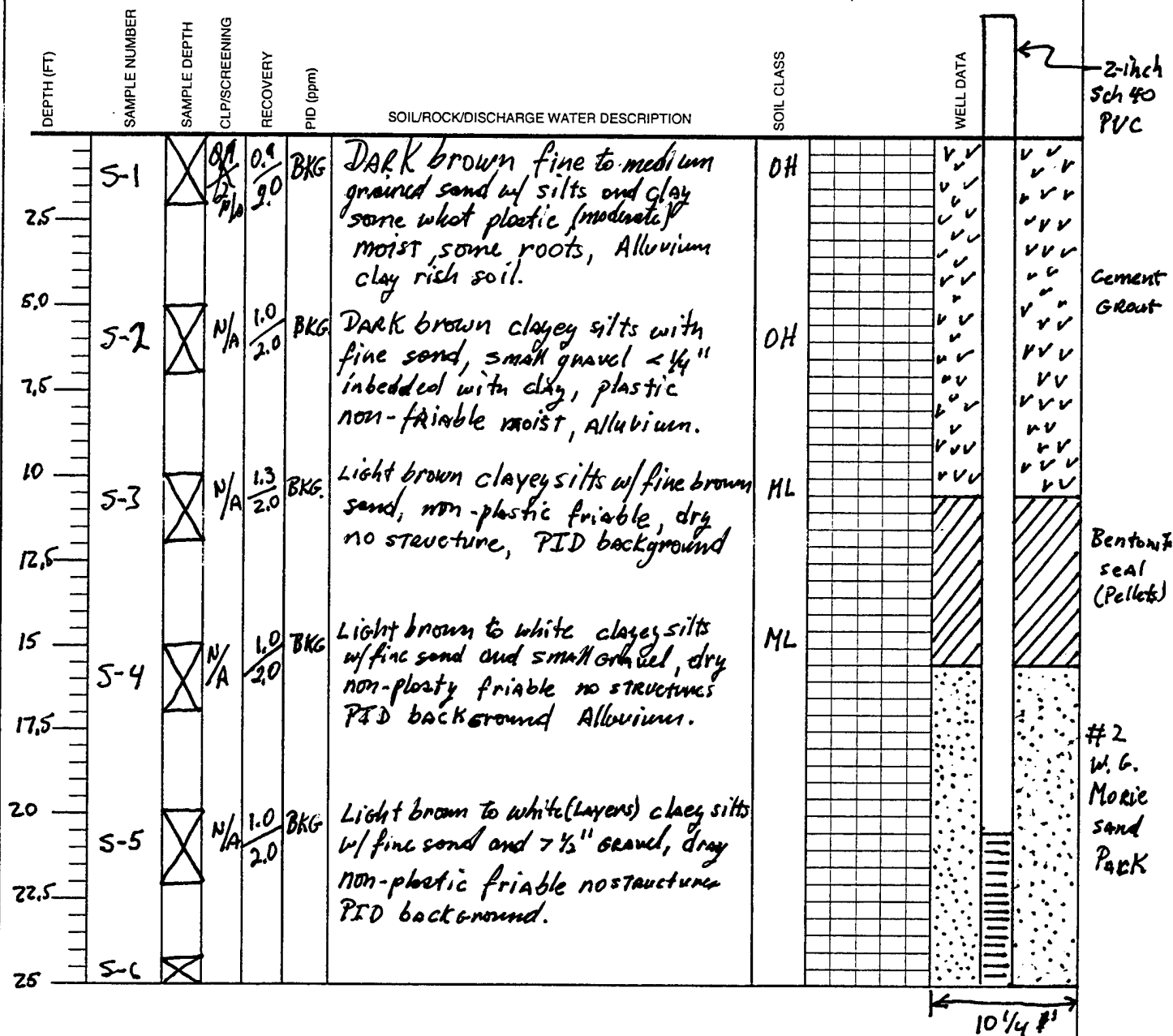
TD = 40 ft

BKG = Background.

# SOIL BORING LOG

Study Area: **AOC 3**  
 Boring No.: **MW-03-02**  
 Protection: **Mod. D**  
 Completed: **11/16/96**  
 PI Meter: **TE 580 B (11.5 EV)**  
 Total Depth: **36 feet bbs**  
 Below Ground:  
 Page **1** of:

Client: **USAEC** Project No. **09890-03**  
 Contractor: **Soil tech** Date Started: **11/15/96**  
 Method: **HSA** Casing Size: **6 1/4"**  
 Ground Elev.: Soil Drilled:  
 Logged by: **M. ALONSO** Checked by:  
 Screen: (ft.) Riser: (ft.) Diam: (ID) Material:



BKG = Background

# SOIL BORING LOG

Study Area: AOC 3

Boring No.: MW-03-02

Protection: *Mod. D.*

Client: **USAEC**

Project No. 09890-03

Contractor: Soil tech

Date Started: 11/15/96

**Completed:**

Method: HSA

Casing Size: 6 1/4"

PI Meter: TF 580 B (11.5 eV)

**Ground Elev.:**

Soil Drilled:

**Total Depth:**

Logged by: M. Alonso

Checked by:

**Below Ground:**

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

**Material:**

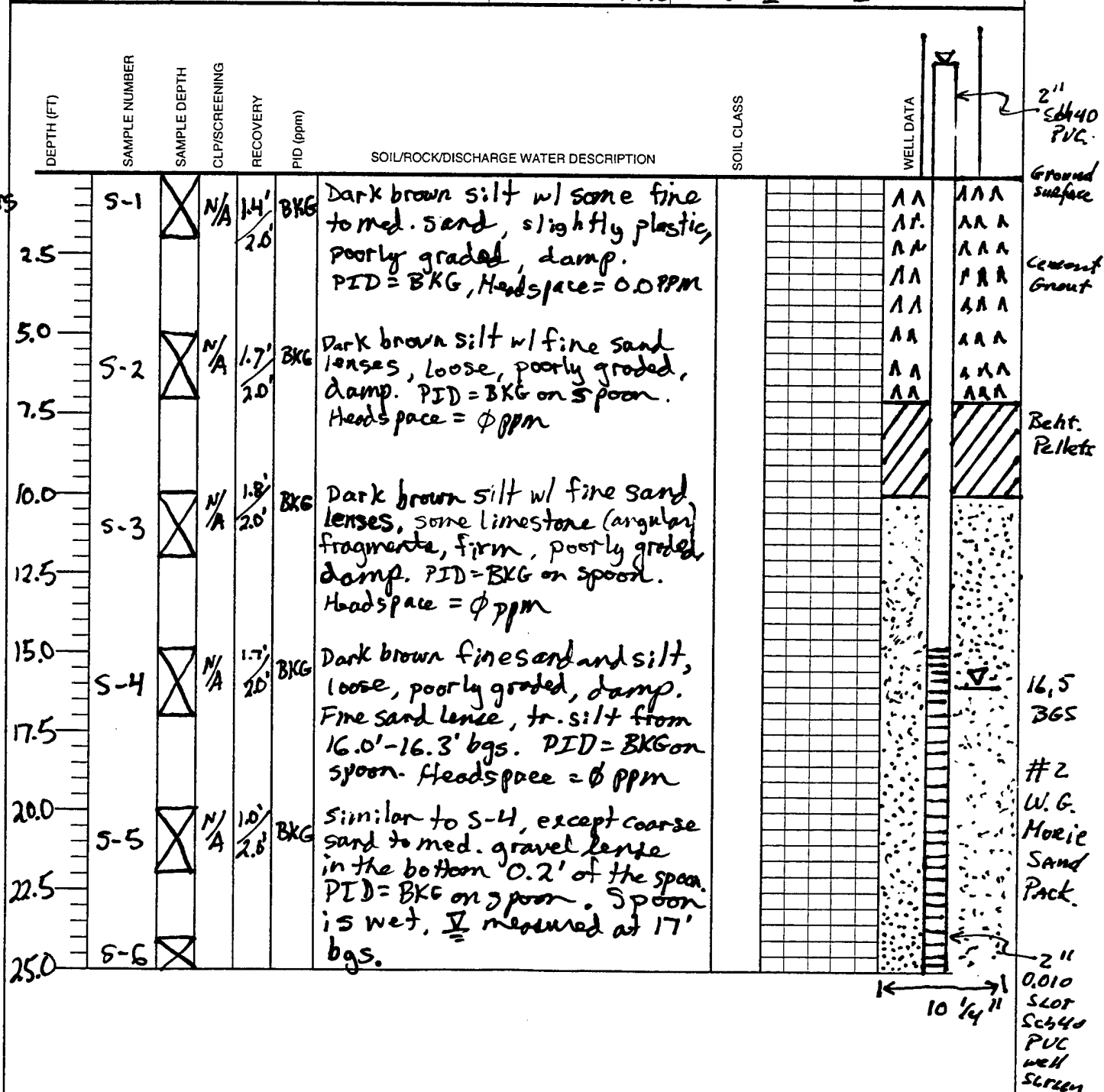
Page of:

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
25								
27.5	5-6	X	N/A	1.4 2.0	BKG	DARK brown clayey silts with little sand small AREAs with white possible fracture fills within clay highly plastic, moist, fracture some gravel > 1/2" angular of volcanic origin.		
30	5-7	X	N/A	1.6 2.0	BKG	PID Background. DARK brown fine to medium sand, with small amounts of cty in gravel, non-plastic - friable moist Alluvium PID = Background.		
32.5								
35	5-8	X	N/A	1.5 2.0	BKG	DARK brown clayey silts with sand (fine) and gravel > 1/2 - 1/4 ch some with white fill fractures highly plastic non-friable moist Alluvium PID = background.		T.D. - 36 feet
37.5								

# SOIL BORING LOG

Study Area: **AOC 8**  
 Boring No.: **MW-08-01**  
 Protection: **Mod. D**  
 Completed: **11**  
 PI Meter: **TE580B (11.7eV)**  
 Total Depth:  
 Below Ground: **16.5 ft**  
 Page **1** of **2**

Client: **USAEC** Project No. **9890-03**  
 Contractor: **Soil Tech** Date Started: **11-13-9C**  
 Method: **HSA** Casing Size: **6 1/4" ID**  
 Ground Elev.: Soil Drilled:  
 Logged by: **R. Pendleton** Checked by:  
 Screen: **15 (ft.)** Riser: **15 (ft.)** Diam: **2-1/4" (ID)** Material: **Sch. 40 PVC**




BKG = Background

BGS: Below Ground surface

ABB Environmental Services, Inc.

SOIL BORING LOG					Study Area: <u>AOC 8</u>			
					Boring No.: <u>MW-08-01</u>			
Client: <u>USAEC</u>			Project No. <u>7890-03</u>		Protection: <u>Mod. D</u>			
Contractor: <u>Soil Tech</u>		Date Started: <u>11-13-96</u>			Completed:			
Method: <u>HSA</u>		Casing Size: <u>6 1/4" ID</u>			PI Meter: <u>TE5808 (147eV)</u>			
Ground Elev.:		Soil Drilled:			Total Depth:			
Logged by: <u>R. Pondexter</u>		Checked by:			<input checked="" type="checkbox"/> Below Ground:			
Screen: <u>15 (ft.)</u>		Riser: <u>15 (ft.)</u>		Diam: <u>2-in (ID)</u>		Material: <u>Sch. 40 PVC</u> Page <u>2</u> of: <u>2</u>		
DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLIP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
25	S-6			100% 20'	BKG	Dark brown fine silt, interbedded w/ coarse to med. sand and fine gravel lenses, wet. PID = BKG on spoon		TD 30.1
27.5								
30	S-7			0% 20'	BKG	No recovery (measureable); some med. gravel in tip of spoon.  Monitoring well completed to 30 ft BIs.		
32.5								
35.0								



SOIL BORING LOG				Study Area: <u>AOC 9</u>	
Client: <u>USAEC</u>		Project No. <u>09890.03</u>		Boring No.: <u>MW-09-01</u>	
Contractor: <u>Soiltech</u>		Date Started: <u>11/16/96</u>		Protection: <u>Mod. D.</u>	
Method: <u>HSA</u>		Casing Size: <u>6 1/4"</u>		PI Meter: <u>TE580B (11.5 oV)</u>	
Ground Elev.: _____		Soil Drilled: _____		Total Depth: _____	
Logged by: _____		Checked by: _____		Below Ground:  _____	
Screen: (ft.)	Riser: (ft.)	Diam: (ID)	Material:	Page <u>1</u> of: <u>2</u>	

\* Trailer Mounted drill Rig.  
CME 45 B.  
140lbs Hammer

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA	
2.5	S-1	X	N/A	1.0 2.0	BKG	DARK brown silty sand (fine to medium grained) with gravel (1/2" to 1") non-plastic, friable, dry, Alluvium	13 13 12 15	V V V V V V V V V V	2-inch SCH 40 PUC Cement Grout
5	S-2	X	N/A	0.3 2.0	BKG	DARK brown clayey silts highly-plastic, non-friable, moist Alluvium PID Background	25 18 16 15	V V V V V V V V V V	Bentonite Pellet (seal)
10	S-3	X	N/A	1.8 2.0	BKG	DARK brown to brown clayey silts high mod. plastic, friable, moist Alluvium. PID Background. Gray material fills fractures (irregular)	3 5 8 12	V V V V V V V V V V	#2 W.G. Florie SAND Pack
15	S-4	X	N/A	0.1 2.0	BKG	DARK brown clayey silts with gravel plastic, non-friable with glass. wet sample. Alluvium. poorly sorted.	12 25 80 -	V V V V V V V V V V	
20	S-5	X	N/A			DARK brown clayey silts with gravel (<1/4") highly-plastic non-friable Alluvium - poorly sorted moist.	20 8 12 18	V V V V V V V V V V	
25	S-6	X				See description on page 2		V V V V V V V V V V	TD=25 ft

BKG = Background

# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: MW-09-01

Protection: *Mod. D*

Client: **USAEC**

Project No. 09890.03

Contractor: Soil Tech

Date Started: 11/17/96

**Completed:**

Method: *HSA*

Casing Size: 6 1/4"

PI Meter: **TE 580 B (11.5m)**

**Ground Elev.:**

Soil Drilled:

**Total Depth:**

Logged by: M. Alonso

Checked by:

**Below Ground:**

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

**Material:**

Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
27.5	5-6	X	HA	18/20	BK6	DARK brown fine to medium grained sand with clay silts and gravel (1/4-inch) friable - non plastic Alluvium of volcanic origin PID - Background.	61628-	

BKG = background.

**- ABB Environmental Services, Inc.**

**SOIL VAPOR SURVEY RESULTS AND LABORATORY REPORT**

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**ABB Environmental Services, Inc.**

**BLANK-CORRECTED SOIL VAPOR SURVEY RESULTS**

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**ABB Environmental Services, Inc.**

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

SITE ID	MODULE NUMBER	BLANK CORRECTED BTEX, ug	BENZ, ug	BLANK CORRECTED TOL, ug	EtBENZ, ug	BLANK CORRECTED mpXYL, ug	oXYL, ug	BLANK CORRECTED C11,C13&C15, ug
	MDL =	0.02	0.03	0.03	0.02	0.02	0.03	0.02
SV-08-01	129536	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-08-02	129537	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-01	129518	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-02	129519	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-03	129520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-04	129521	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-05	129522	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-06	129523	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-01	129524	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-02	129525	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-03	129526	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-01	129527	1.84	0.00	0.82	0.00	0.00	0.00	0.03
SV-PC-02	129528	1.32	0.00	0.55	0.00	0.00	0.00	0.00
SV-PC-03	129529	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-04	129530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-05	129531	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-02	129533	0.11	0.00	0.05	0.00	0.00	0.00	0.00
SV-PH-03	129534	0.85	0.15	0.21	0.00	0.03	0.00	0.03
SV-PH-04	129535	1.32	0.00	0.86	0.00	0.00	0.00	0.13
Trip Blank 1	129538	0.23	0.00	0.23	0.00	0.00	0.00	0.08
Trip Blank 2	129539	0.14	0.00	0.14	0.00	0.00	0.00	0.03
Method Blank		0.03	0.00	0.03	0.00	0.03	0.00	0.00

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

SITE ID	MODULE NUMBER	BLANK CORRECTED UNDEC, ug	TRIDEC, ug	PENTADEC, ug	NAPH&2-MN, ug	NAPH, ug	2MeNAPH, ug	TMBs, ug
	MDL =	0.04	0.02	0.03	0.03	0.03	0.03	0.02
SV-08-01	128536	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-08-02	128537	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-01	128518	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-02	128519	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-03	128520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-04	128521	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-05	128522	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-06	128523	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-01	128524	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-02	128525	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-03	128526	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-01	128527	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-02	128528	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-03	128529	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-04	128530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-05	128531	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-02	128533	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-03	128534	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-04	128535	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trip Blank 1	128538	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Trip Blank 2	128539	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Method Blank		0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

SITE ID	MODULE NUMBER	135TMB, ug	124TMB, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	PCE, ug	111TCA, ug	12DCA, ug
	MDL =	0.02	0.02	0.05	0.01	0.02	0.01	0.03	0.02	0.02
SV-08-01	129536	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-08-02	129537	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-01	129518	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-02	129519	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
SV-M9-03	129520	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
SV-M9-04	129521	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00
SV-M9-05	129522	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-06	129523	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-01	129524	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-02	129525	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
SV-WW-03	129526	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
SV-PC-01	129527	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-02	129528	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-03	129529	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-04	129530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-05	129531	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-02	129533	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-03	129534	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-04	129535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trip Blank 1	129538	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trip Blank 2	129539	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Method Blank		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

SITE ID	MODULE NUMBER	MTBE, ug	CCl4, ug	TCE, ug	OCT, ug	CIBENZ, ug	14DCB, ug	Acenaphthylene, ug	Acenaphthene, ug
	MDL =	0.16	0.04	0.02	0.02	0.02	0.02	0.05	0.04
SV-08-01	128536	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-08-02	128537	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M8-01	128518	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M8-02	128519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M8-03	128520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M8-04	128521	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M8-05	128522	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-M8-06	128523	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-01	128524	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-02	128525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-03	128526	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-01	128527	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-02	128528	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-03	128529	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-04	128530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-05	128531	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-02	128533	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-03	128534	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-04	128535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trip Blank 1	128538	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trip Blank 2	128539	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Method Blank		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

SITE ID	MODULE NUMBER	Fluorene, ug	PHEN, ug	Anthracene, ug	Fluoranthene, ug	Pyrene, ug	BLANK CORRECTED Petroleum Hydrocarbons, ug
	MDL =	0.07	0.04	0.10	0.17	0.24	
SV-08-01	129536	0.00	0.00	0.00	0.00	0.00	0.00
SV-08-02	129537	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-01	129518	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-02	129519	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-03	129520	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-04	129521	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-05	129522	0.00	0.00	0.00	0.00	0.00	0.00
SV-M9-06	129523	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-01	129524	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-02	129525	0.00	0.00	0.00	0.00	0.00	0.00
SV-WW-03	129526	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-01	129527	0.00	0.00	0.00	0.00	0.00	12.57
SV-PC-02	129528	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-03	129529	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-04	129530	0.00	0.00	0.00	0.00	0.00	0.00
SV-PC-05	129531	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-02	129533	0.00	0.00	0.00	0.00	0.00	0.00
SV-PH-03	129534	0.00	0.00	0.00	0.00	0.00	35.26
SV-PH-04	129535	0.00	0.00	0.00	0.00	0.00	3.53
Trip Blank 1	129538	0.00	0.00	0.00	0.00	0.00	4.52
Trip Blank 2	129539	0.00	0.00	0.00	0.00	0.00	1.82
Method Blank		0.00	0.00	0.00	0.00	0.00	0.20

Notes:

- 1) Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.
- 2) Blank-corrected data was calculated by subtracting the maximum value of the analyte detected in the blanks (Trip and Method blanks) from the raw value (presented in the laboratory report).
- 3) Shaded cells indicate positive analyte concentrations.  
MDL = Method Detection Limit

**SOIL VAPOR SURVEY LABORATORY REPORT**

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**ABB Environmental Services, Inc.**



# W. L. GORE & ASSOCIATES, INC.

101 LEWISVILLE ROAD • P.O. BOX 1100 • ELKTON, MARYLAND 21922-1100 PHONE: 410/392-3300  
FAX: 410/996-3325 • TELEX 467637 GORE FB ELKT  
ENVIRONMENTAL PRODUCTS GROUP

1 of 5

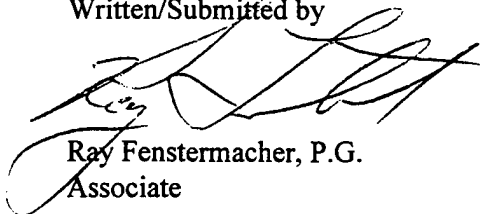
## GORE-SORBER<sup>SM</sup> Screening Survey Final Report

National Guard Base  
Puerto Rico

December 20, 1996

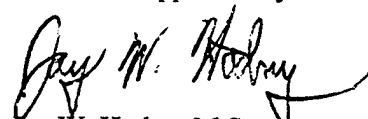
Prepared For:  
ABB Environmental Services  
110 Free Street  
Portland, ME 04112-7050

W.L. Gore & Associates, Inc.  
Written/Submitted by



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Jay W. Hodny, M.S.  
Associate

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**GORE-SORBER™ Screening Survey  
Final Report**

**REPORT DATE:** December 20, 1996

**AUTHOR:** RFF

**SITE INFORMATION**

**Site Reference:** National Guard Base, Puerto Rico

**Customer Purchase Order Number:** NE646437G

**Gore Production Order Number:** 070694

**Gore Site Code:** VN

**FIELD PROCEDURES**

**# Modules shipped:** 22

**Installation Date(s):** November 16 - 17, 1996

**# Modules Installed:** 20

**Field work performed by:** ABB Environmental Services

**Retrieval date(s):** December 3, 1996

**Exposure Time:** 16-17 [days]

**# Modules Retrieved:** 19

**# Trip Blanks Returned:** 2

**# Modules Lost in Field:** 1

**# Unused Modules Returned:** -0-

**Date/Time Received by Gore:** December 4, 1996 @ 12:30 pm    **By:** CJF

**Recorded Cooler/Water Temperature Control Blank temperature:** 6.2 [°C]

**Chain of Custody Form attached:**    ✓

**Chain of Custody discrepancies:** Trip blanks were not designated on the first page of the chain of custody.

**Comments:** Temperature of the water control blank slightly exceeded the generally accepted criteria for preservation of environmental samples,  $4.0 \pm 2.0$  °C.

**GORE-SORBER<sup>sm</sup> Screening Survey  
Final Report**

**ANALYTICAL PROCEDURES**

W.L. Gore & Associates' Screening Module Laboratory operates under the guidelines of its Quality Assurance Manual, Operating Procedures and Methods. The quality assurance program is consistent with Good Laboratory Practices (GLP) and ISO Guide 25, "General Requirements for the Competence of Calibration and Testing Laboratories", third edition, 1990. The Laboratory is audited regularly by a quality system design, development and auditing company.

Instrumentation consists of Hewlett-Packard 5890 gas chromatographs and 5971 mass selective detectors, as well as Perkin-Elmer ATD 400 automated thermal desorption units. Sample preparation simply involves cutting the tip off the bottom of the sample module and transferring one or more exposed sorbent containers (sorbents, each containing 40mg of a suitable granular adsorbent) to a thermal desorption tube for analysis. Sorbents remain clean and protected from dirt, soil, and ground water by the insertion/retrieval cord, and require no further sample preparation.

**Screening Method Quality Assurance:**

Before each run sequence, two instrument blanks, a sorbent containing 5 $\mu$ g BFB (Bromofluorobenzene), and a method blank are analyzed. The BFB mass spectra must meet the criteria set forth in our methods before samples can be analyzed. A sorbent containing BFB is also analyzed after every 30 samples and/or trip blanks, as is a method blank. Standards containing the selected target compounds at three calibration levels of 5, 20, and 50 $\mu$ g are analyzed at the beginning of each run. The criterion for each target compound is less than 35% RSD (relative standard deviation). If this criterion is not met for any target compound, the analyst has the option of generating second- or third-order standard curves, as appropriate. A second-source reference standard, at a level of 20 $\mu$ g per target compound, is analyzed after every ten samples and/or trip blanks, and at the end of the run sequence. Positive identification of target compounds is determined by the presence of the target ion and at least two secondary ions, retention time versus reference standard, and the analyst's judgment.

**NOTE:** All data have been archived. Any replicate sorbents not used in the initial analysis will be discarded fifteen (15) days from the date of analysis.

**Laboratory analysis:** thermal desorption, gas chromatography, mass selective detection

**Quality Assurance Level:** 2 (ANA-4/A1)

**Instrument ID:** # 2

**Chemist:** JW

**Data Subdirectory:** 070694

**Compounds/mixtures requested:** Expanded VOC/SVOC Target Compound List (A4)

**Deviations from Standard Method:** None

**Comments:** Soil vapor analytes and abbreviations are tabulated in the Data Table Key (page 5).

**GORE-SORBER™ Screening Survey  
Final Report**

**DATA TABULATION**

**# CONTOUR MAPS ENCLOSED:** No maps were prepared with this data.

**NOTE:** All data values presented in Appendix A represent masses of compound(s) desorbed from the GORE-SORBER Screening Modules received and analyzed by W.L. Gore, as identified in the Chain of Custody (Appendix A). The measurement traceability and instrument performance are reproducible and accurate for the measurement process documented. Semi-quantitation of the compound mass is based on either a single-level (QA Level 1) or three-level (QA Level 2) standard calibration.

**Comments:**

- None

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# **GORE-SORBER<sup>sm</sup> Screening Survey Final Report**

## **KEY TO DATA TABLE National Guard Base, Puerto Rico**

**UNITS**

μg

micrograms (per sorber), reported for compounds for which we  
run external standards.

MDL

method detection limit

**ANALYTES**

BTEx

combined masses of benzene, toluene, ethylbenzene and total xylenes  
(Gasoline Range Aromatics)

BENZ

benzene

TOL

toluene

EtBENZ

ethylbenzene

mpXYL

m-, p-xylene

oXYL

o-xylene

C11,C13&amp;C15

combined masses of undecane, tridecane, and pentadecane (C11+C13+C15)  
(Diesel Range Alkanes)

UNDEC

undecane

TRIDEC

tridecane

PENTADEC

pentadecane

NAPH&amp;2MN

combined masses of naphthalene and 2-methyl naphthalene

NAPH

naphthalene

2MeNAPH

2-methyl naphthalene

TMBs

combined masses of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene

135TMB

1,3,5-trimethylbenzene

124TMB

1,2,4-trimethylbenzene

t12DCE

trans-1,2-dichloroethene

11DCA

1,1-dichloroethane

c12DCE

cis-1,2-dichloroethene

CHCl<sub>3</sub>

chloroform

PCE

tetrachloroethene

111TCA

1,1,1-trichloroethane

12DCA

1,2-dichloroethane

MTBE

methyl t-butyl ether

CCl<sub>4</sub>

carbon tetrachloride

TCE

trichloroethylene

OCT

octane

ClBENZ

chlorobenzene

14DCB

1,4-dichlorobenzene

PHEN

phenanthrene

**BLANKS**

TBn

unexposed trip blanks, which traveled with the exposed modules

method blank

method blank, retained at Gore

## **APPENDIX A:**

- 1. CHAIN OF CUSTODY**
- 2. DATA TABLE**



# GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use only

Production Order #

70694



W. L. Gore & Associates, Inc., Environmental Products Group

101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

Instructions: Customer must complete ALL shaded cells

Customer Name: <u>ABB ENVIRONMENTAL SERVICES</u>		Site Name: <u>NATIONAL GUARD BASE</u>	
Address: <u>110 FREE ST</u>		Site Address: <u>PUERTO RICO</u>	
<u>PORTLAND ME 04112-7050</u>			
<u>(ROD PENDLETON)</u>		Project Manager: <u>JUAN CRUZ</u>	
Phone: <u>207 775 5400</u>		Customer Project No.: _____	
FAX: <u>207 772 4762</u>		Customer P.O. #: <u>NE 6464376</u> Quote #: <u>BK 6846</u>	
Serial # of Modules Shipped		# of Modules for Installation <u>20</u> # of Trip Blanks <u>2</u>	
# <u>129518</u> through # <u>129539</u>	Total Modules Shipped: <u>22</u>		Pieces
# through #	Total Modules Received: <u>22</u>		Pieces
# through #	Total Modules Installed: <u>20</u>		Pieces
# through #	Serial # of Trip Blanks (Client Decides)		#
# through #	#	#	#
# through #	#	#	#
# through #	#	#	#
Installation Performed By:		Installation Method(s) (circle those that apply):	
Name (please print): <u>Scott Donelick</u>		Slide Hammer Hammer Drill Auger	
Company/Affiliation: <u>ABB ES</u>		Other: <u>Geoprobe push hole</u>	
Installation Start Date and Time: <u>11-16-96</u> <u>1</u> <u>1425</u>		<u>AM</u> <u>PM</u>	
Installation Complete Date and Time: <u>11-17-96</u> <u>1</u> <u>11:48</u>		<u>AM</u> <u>PM</u>	
Retrieval Performed By:		Total Modules Retrieved: <u>19</u> Pieces	
Name (please print): <u>Scott Donelick</u>		Total Modules Lost in Field: <u>1</u> Pieces	
Company/Affiliation: <u>ABB-ES</u>		Total Unused Modules Returned: <u>2</u> Pieces	
Retrieval Start Date and Time: <u>12-1-96</u> <u>7:54</u>		<u>AM</u> <u>PM</u>	
Retrieval Complete Date and Time: <u>12-3-96</u> <u>9:10</u>		<u>AM</u> <u>PM</u>	
Target Analytes to be Mapped (Check Options or List as appropriate):	To Be Determined Pending Completion of Lab Analysis [ ] or write "None", if applicable.		
Analyte #1:	Analyte #2:	Analyte #3:	
Other Instructions, if any:			
Relinquished By: <u>CJ Fendler</u>	Date: <u>11/5/96</u>	Time: <u>15:00</u>	Received By: <u>W. L. Gore</u>
Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u>			Affiliation: <u>ABB-ES</u>
Relinquished By: <u>Scott Donelick</u>	Date: <u>12-3-96</u>	Time: <u>1600</u>	Received By: _____
Affiliation: <u>ABB ES</u>			Affiliation: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>CJ Fendler</u>
Affiliation: _____			Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u>
Temperature of Samples When Received By Gore			<u>6.2</u> °C

WTC 3

**GORE-SORBER® Screening Survey**  
**Installation and Retrieval Log**

**SITE NAME & LOCATION**  
**FORT ALLEN, PUERTO RICO**

Page 1 of 1

LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate)			MODULE IN WATER (check one)		COMMENTS
				LPH	ODOR	NONE	YES	NO	
1.	129518 ✓	11-16-96/1425	12-3-96/0838			✓		✓	SV-M9-01 (0 ppm)
2.	129519 ✓	11-16-96/1434	12-3-96/0841			✓		✓	SV-M9-02 (0 ppm)
3.	129520 ✓	11-16-96/1437	12-3-96/0843			✓		✓	SV-M9-03 (0 ppm)
4.	129521 ✓	11-16-96/1456	12-3-96/0847			✓		✓	SV-M9-04 (0 ppm)
5.	129522 ✓	11-16-96/1555	12-3-96/0810			✓		✓	SV-M9-05 (0 ppm)
6.	129523 ✓	11-16-96/1515	12-3-96/0810			✓		✓	SV-M9-06 (0 ppm)
7.	129524 ✓	11-16-96/0941	12-3-96/0810			✓		✓	SV-M9-07 (0 ppm)
8.	129525 ✓	11-17-96/0922	12-3-96/0808			✓		✓	SV-M9-08 (0 ppm)
9.	129526 ✓	11-17-96/0931	12-3-96/0807			✓		✓	SV-M9-09 (0 ppm)
10.	129527 ✓	11-17-96/1002	12-3-96/0830			✓		✓	SV-M9-10 (0 ppm)
11.	129528 ✓	11-17-96/1055	12-3-96/0831			✓		✓	SV-M9-11 (0 ppm)
12.	129529 ✓	11-17-96/1047	12-3-96/0833			✓		✓	SV-M9-12 (0 ppm)
13.	129530 ✓	11-17-96/1040	12-3-96/0836			✓		✓	SV-M9-13 (0 ppm)
14.	129531 ✓	11-17-96/0952	12-3-96/0836			✓		✓	SV-M9-14 (0 ppm)
15. NH	129532 ✓	11-17-96/1131	NOT LOCATED			✓		✓	SV-M9-15 (0 ppm)
16.	129533 ✓	11-17-96/1136	12-3-96/0843			✓		✓	SV-M9-16 (0 ppm)
17.	129534 ✓	11-17-96/1142	12-3-96/0824			✓		✓	SV-M9-17 (0 ppm)
18.	129535 ✓	11-17-96/1148	12-3-96/0825			✓		✓	SV-M9-18 (0 ppm)
19.	129536 ✓	11-17-96/1118	12-3-96/0754			✓	✓		SV-M9-19 (0 ppm)
20.	129537 ✓	11-17-96/1107	12-3-96/0756			✓	✓		SV-M9-20 (0 ppm)
21.									
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GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS  
 ABB ENVIRONMENTAL SERVICES, PORTLAND, ME  
 GORE EXPANDED TARGET VOCs/SVOCs (A4)  
 NATIONAL GUARD BASE, PUERTO RICO  
 PRODUCTION ORDER #070694

MODULE NUMBER	DATE ANALYZED	BTEX, ug	BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11,C13&C15, ug	UNDEC, ug	TRIDEC, ug	PENTADEC, ug	NAPH&2-MN, ug	NAPH, ug
MDL =		0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.04	0.02	0.03	0.03	0.03
129518	12/09/96	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
129519	12/09/96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129520	12/09/96	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129521	12/09/96	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
129522	12/09/96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129523	12/09/96	0.13	0.00	0.13	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00
129524	12/09/96	0.14	0.00	0.14	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00
129525	12/09/96	0.07	0.00	0.07	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
129526	12/09/96	0.06	0.00	0.06	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
129527	12/09/96	1.05	0.00	1.05	0.00	0.00	0.00	0.11	0.06	0.04	0.00	0.00	0.00
129528	12/10/96	0.80	0.00	0.78	0.00	0.03	0.00	0.01	0.01	0.00	0.00	0.00	0.00
129529	12/10/96	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
129530	12/10/96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129531	12/10/96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129533	12/10/96	0.28	0.00	0.28	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00
129534	12/10/96	0.64	0.15	0.44	0.00	0.06	0.00	0.90	0.12	0.27	0.51	0.00	0.00
129535	12/10/96	0.89	0.00	0.89	0.00	0.00	0.00	0.21	0.06	0.06	0.10	0.00	0.00
129536	12/10/96	0.15	0.00	0.12	0.00	0.03	0.00	0.05	0.05	0.00	0.00	0.00	0.00
129537	12/10/96	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX. DETECTED		1.05	0.15	1.05	0.00	0.06	0.00	0.90	0.12	0.27	0.51	0.00	0.00
TB1 - 129538	12/09/96	0.23	0.00	0.23	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.00
TB2 - 129539	12/10/96	0.14	0.00	0.14	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00
method blank	12/09/96	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.  
 12/20/96

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS  
 ABB ENVIRONMENTAL SERVICES, PORTLAND, ME  
 GORE EXPANDED TARGET VOCs/SVOCs (A4)  
 NATIONAL GUARD BASE, PUERTO RICO  
 PRODUCTION ORDER #070694

MODULE	2MeNAPH, ug	TMBs, ug	135TMB, ug	124TMB, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	PCE, ug	111TCA, ug	12DCA, ug	MTBE, ug	CCl4, ug	TCE, ug
NUMBER	MDL =	0.03	0.02	0.02	0.02	0.05	0.01	0.02	0.01	0.03	0.02	0.02	0.16	0.04
129518		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129519		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00
129520		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00
129521		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00
129522		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129523		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
129524		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
129525		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
129526		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
129527		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129528		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129529		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129530		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129531		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00
129533		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129534		0.00	0.06	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129535		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129536		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129537		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX. DETECTE	0.00	0.06	0.02	0.05	0.00	0.00	0.00	0.26	0.33	0.00	0.00	0.00	0.00	0.00
TB1 - 129538	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TB2 - 129539	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS  
 ABB ENVIRONMENTAL SERVICES, PORTLAND, ME  
 GORE EXPANDED TARGET VOCs/SVOCs (A4)  
 NATIONAL GUARD BASE, PUERTO RICO  
 PRODUCTION ORDER #070694

MODULE NUMBER	OCT, ug	CIBENZ, ug	14DCB, ug	Acenaphthylene, ug	Acenaphthene, ug	Fluorene, ug	PHEN, ug	Anthracene, ug	Fluoranthene, ug	Pyrene, ug	Petroleum Hydrocarbons, ug
MDL =	0.02	0.02	0.02	0.05	0.04	0.07	0.04	0.10	0.17	0.24	
129518	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	1.48
129519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95
129520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04
129521	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44
129522	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08
129523	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40
129524	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51
129525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97
129526	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87
129527	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.19
129528	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09
129529	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
129530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90
129531	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81
129533	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70
129534	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78
129535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.05
129536	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40
129537	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07
MAX. DETECTE	0.17	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	37.78
TB1 - 129538	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.52
TB2 - 129539	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82
method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.  
 12/20/96

# GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use only

Production Order #

70694



**W. L. Gore & Associates, Inc., Environmental Products Group**

101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

**Instructions: Customer must complete ALL shaded cells**

Customer Name: <u>ABB ENVIRONMENTAL SERVICES</u>			Site Name: <u>NATIONAL GUARD BASE</u>		
Address: <u>110 FREE ST</u>			Site Address: <u>PUERTO RICO</u>		
<u>PORTLAND ME 04112-7050</u>					
<u>(ROD PENDLETON)</u>			Project Manager: <u>JUAN CRUZ</u>		
Phone: <u>207 775 5400</u>			Customer Project No.: _____		
FAX: <u>207 772 4762</u>			Customer P.O. #: <u>NE 6464376</u> Quote #: <u>BK 6846</u>		
Serial # of Modules Shipped			# of Modules for Installation <u>20</u> # of Trip Blanks <u>2</u>		
# <u>129518</u>	through	# <u>129539</u>	Total Modules Shipped: <u>22</u> Pieces		
#	through	#	Total Modules Received: <u>22</u> Pieces		
#	through	#	Total Modules Installed: <u>20</u> Pieces		
#	through	#	Serial # of Trip Blanks (Client Decides) #		
#	through	#	#	#	#
#	through	#	#	#	#
#	through	#	#	#	#
Installation Performed By:			Installation Method(s) (circle those that apply):		
Name (please print): <u>Scott Donelick</u>			Slide Hammer    Hammer Drill    Auger		
Company/Affiliation: <u>ABB ES</u>			Other: <u>Geoprobe push hole</u>		
Installation Start Date and Time: <u>11-16-96</u> 1 1 <u>1425</u> AM/PM <u>(PM)</u>					
Installation Complete Date and Time: <u>11-17-96</u> 1 1 <u>11:48</u> AM/PM <u>(AM)</u>					
Retrieval Performed By:			Total Modules Retrieved: <u>19</u> Pieces		
Name (please print): <u>Scott Donelick</u>			Total Modules Lost in Field: <u>1</u> Pieces		
Company/Affiliation: <u>ABB-ES</u>			Total Unused Modules Returned: <u>2</u> Pieces		
Retrieval Start Date and Time: <u>12/3/96</u> 7:54 AM/PM <u>(AM)</u>					
Retrieval Complete Date and Time: <u>12/3/96</u> 9:10 AM/PM <u>(AM)</u>					
Target Analytes to be Mapped (Check Options or List as appropriate):		To Be Determined Pending Completion of Lab Analysis [ ] or write "None", if applicable.			
Analyte #1:		Analyte #2:		Analyte #3:	
Other Instructions, if any:					
Relinquished By <u>CJ Fendler</u>		Date <u>11/5/96</u>	Time <u>15:00</u>	Received By: <u>[Signature]</u>	
Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u>				Date <u>11-16-96</u> Time <u>0800</u>	
Relinquished By <u>[Signature]</u>		Date <u>12-3-96</u>	Time <u>1600</u>	Received By: _____	
Affiliation: <u>ABB ES</u>				Date _____ Time _____	
Relinquished By _____		Date _____	Time _____	Received By: <u>CJ Fendler</u>	
Affiliation _____				Date <u>12/4/96</u> Time <u>12:30</u>	
Temperature of Samples When Received By Gore				<u>6.2</u> °C	

WTC 3

# **GORE-SORBER® Screening Survey** **Installation and Retrieval Log**

## **SITE NAME & LOCATION**

FORT ALLEN, PUERTO RICO

Page 1 of 1

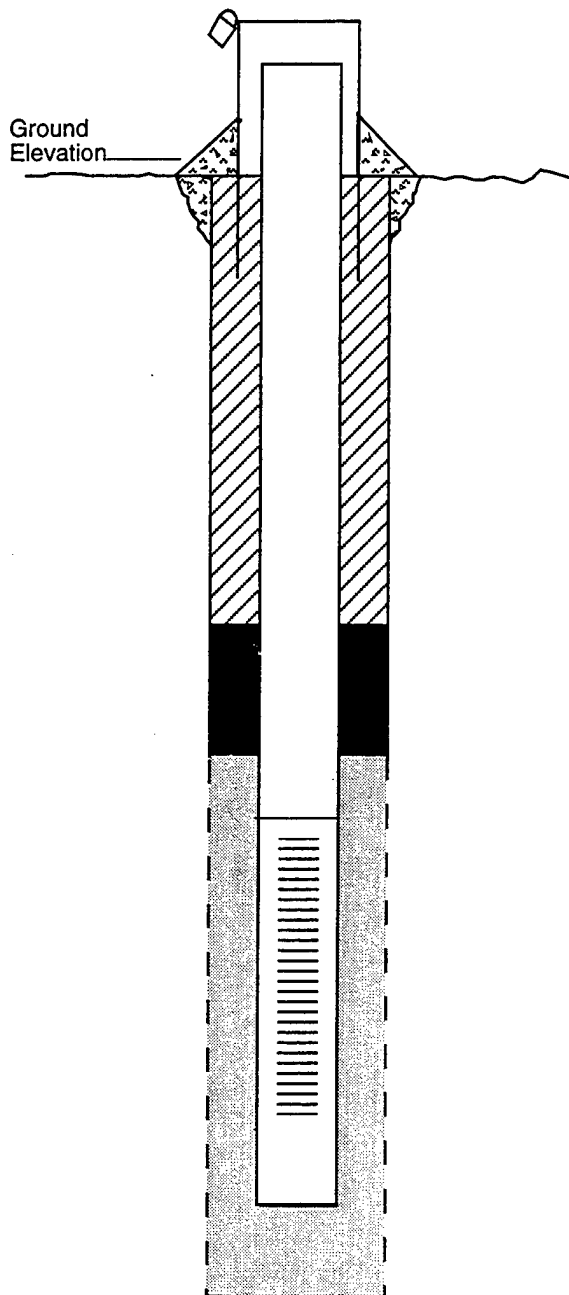
LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate)			MODULE IN WATER (check one)		COMMENTS
				LPH	ODOR	NONE	YES	NO	
1.	129518 ✓	11-16-96 / 1425	12-3-96 / 0858			✓		✓	SV-M9-01 (0 ppm)
2.	129519 ✓	11-16-96 / 1434	12-3-96 / 0901			✓		✓	SV-M9-02 (0 ppm)
3.	129520 ✓	11-16-96 / 1439	12-3-96 / 0903			✓		✓	SV-M9-03 (0 ppm)
4.	129521 ✓	11-16-96 / 1456	12-3-96 / 0907			✓		✓	SV-M9-04 (0 ppm)
5.	129522 ✓	11-16-96 / 1505	12-3-96 / 0910			✓		✓	SV-M9-05 (0 ppm)
6.	129523 ✓	11-16-96 / 1515	12-3-96 / 0910			✓		✓	SV-M9-06 (0 ppm)
7.	129524 ✓	11-17-96 / 0941	12-3-96 / 0810			✓		✓	SV-M9-07 (0 ppm)
8.	129525 ✓	11-17-96 / 0922	12-3-96 / 0808			✓		✓	SV-M9-08 (0 ppm)
9.	129526 ✓	11-17-96 / 0931	12-3-96 / 0807			✓		✓	SV-M9-09 (0 ppm)
10.	129527 ✓	11-17-96 / 1002	12-3-96 / 0830			✓		✓	SV-M9-10 (0 ppm)
11.	129528 ✓	11-17-96 / 1055	12-3-96 / 0831			✓		✓	SV-M9-11 (0 ppm)
12.	129529 ✓	11-17-96 / 1047	12-3-96 / 0833			✓		✓	SV-M9-12 (0 ppm)
13.	129530 ✓	11-17-96 / 1040	12-3-96 / 0836			✓		✓	SV-M9-13 (0 ppm)
14.	129531 ✓	11-17-96 / 0952	12-3-96 / 0836			✓		✓	SV-M9-14 (0 ppm)
15. NH	129532 ✓	11-17-96 / 1131	NOT LOCATED			✓		✓	SV-M9-15 (0 ppm)
16.	129533 ✓	11-17-96 / 1136	12-3-96 / 0843			✓		✓	SV-M9-16 (0 ppm)
17.	129534 ✓	11-17-96 / 1142	12-3-96 / 0824			✓		✓	SV-M9-17 (0 ppm)
18.	129535 ✓	11-17-96 / 1148	12-3-96 / 0825			✓		✓	SV-M9-18 (0 ppm)
19.	129536 ✓	11-17-96 / 1118	12-3-96 / 0754			✓	✓	✓	SV-M9-19 (0 ppm)
20.	129537 ✓	11-17-96 / 1107	12-3-96 / 0756			✓	✓	✓	SV-M9-20 (0 ppm)
21.									
22.									
23.									
24.									
25.									
26.									
27.									
28.									
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39.									
40.									
41.									
42.									

**MONITORING WELL COMPLETION DIAGRAMS**



# MONITORING WELL CONSTRUCTION DIAGRAM

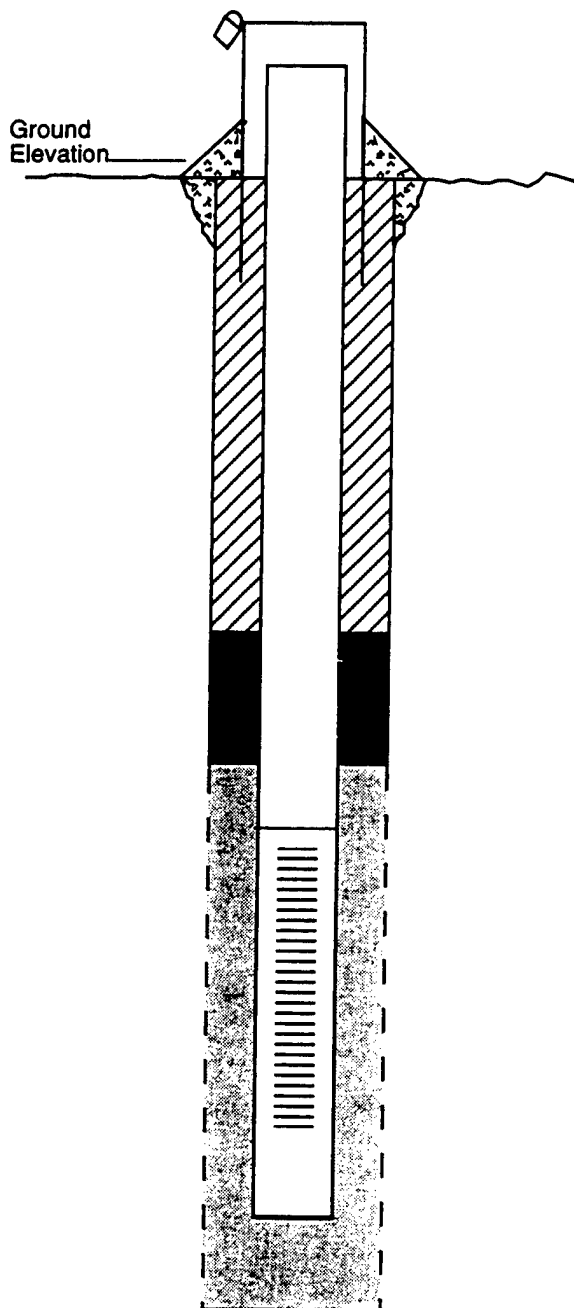
Project FORT Allen SI Study Area AOC-3 Driller Soil Tech  
 Project No. 09890.03 Boring No. MW-03-01 Drilling Method HSA  
 Date Installed 11/15/96 Development Method B-K pump  
 Field Geologist M. Alonso Hand pump / surge



Stick-up of Casing Above Ground Surface: 4 ft.  
 Type of Surface Seal/Other Protection: Grout / steel Post  
 Type of Surface Casing: 4-inch steel  
 ID of Surface Casing: 4-inch  
 Diameter of Borehole: 10 1/4"  
 Riser Pipe ID: 2"  
 Type of Riser Pipe: Sch. 40 PVC  
 Type of Backfill: Cement - Bentonite Grout  
 Depth of Top of Seal: 15'  
 Type of Seal: Bentonite Pellets  
 Depth of Top of Sand: 20'  
 Depth of Top of Screen: 25'  
 Type of Screen: Sch. 40 PVC  
 Slot Size x Length: 0.010" x 15'  
 ID of Screen: 2"  
 Type of Sandpack: #2 W. G. MORIE SAND  
 Depth of Bottom of Screen: 40'  
 Depth of Sediment Sump with Plug: 0  
 Depth of Bottom of Borehole: 42'

# MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Allen SI Study Area AOC-3 Driller Soil tech  
 Project No. 09890.03 Boring No. MW-03-02 Drilling Method HSA  
 Date Installed 11/16/96 Development Method B-K pump  
 Field Geologist M. ALONSO Hand pump/surge



Stick-up of Casing Above Ground Surface: 4 ft

Type of Surface Seal/Other Protection: Grout/steel/past

Type of Surface Casing: 4-inch steel

ID of Surface Casing: 4-inch

Diameter of Borehole: 10 1/4"

Riser Pipe ID: 2"

Type of Riser Pipe: Sch. 40 PVC

Type of Backfill: Cement-Bentonite Grout

Depth of Top of Seal: 10'

Type of Seal: Bentonite Pellets

Depth of Top of Sand: 15'

Depth of Top of Screen: 20'

Type of Screen: Sch. 40 PVC

Slot Size x Length: 0.010" x 15'

ID of Screen: 2"

Type of Sandpack: #2 W.G. Mokie sand

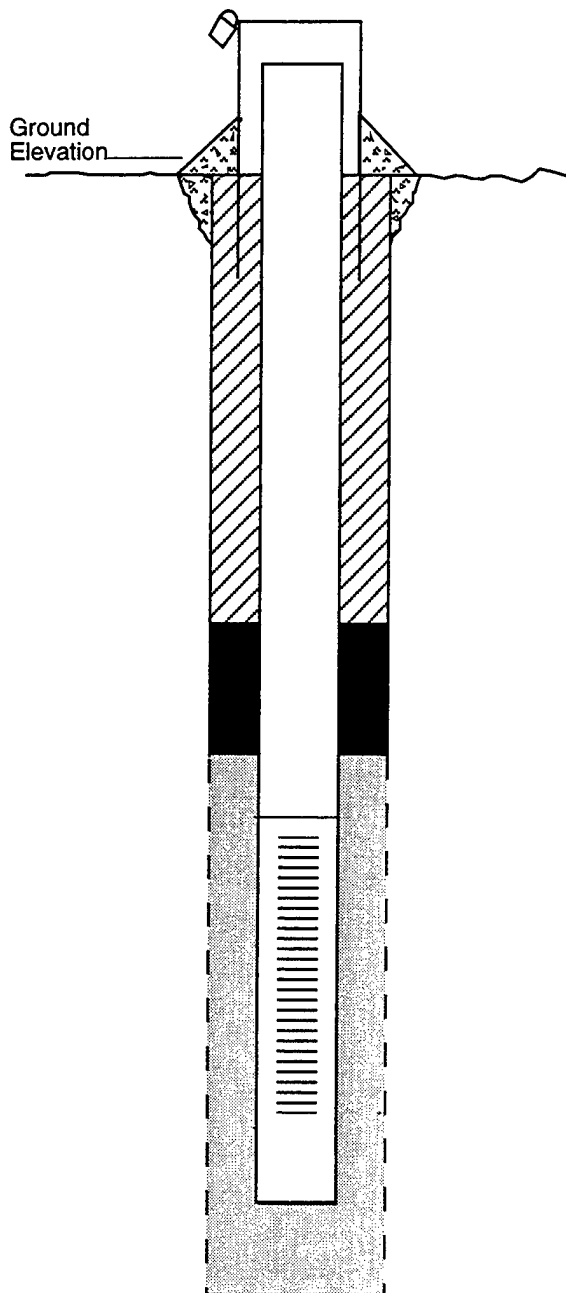
Depth of Bottom of Screen: 35'

Depth of Sediment Sump with Plug: 0

Depth of Bottom of Borehole: 37'

# MONITORING WELL CONSTRUCTION DIAGRAM

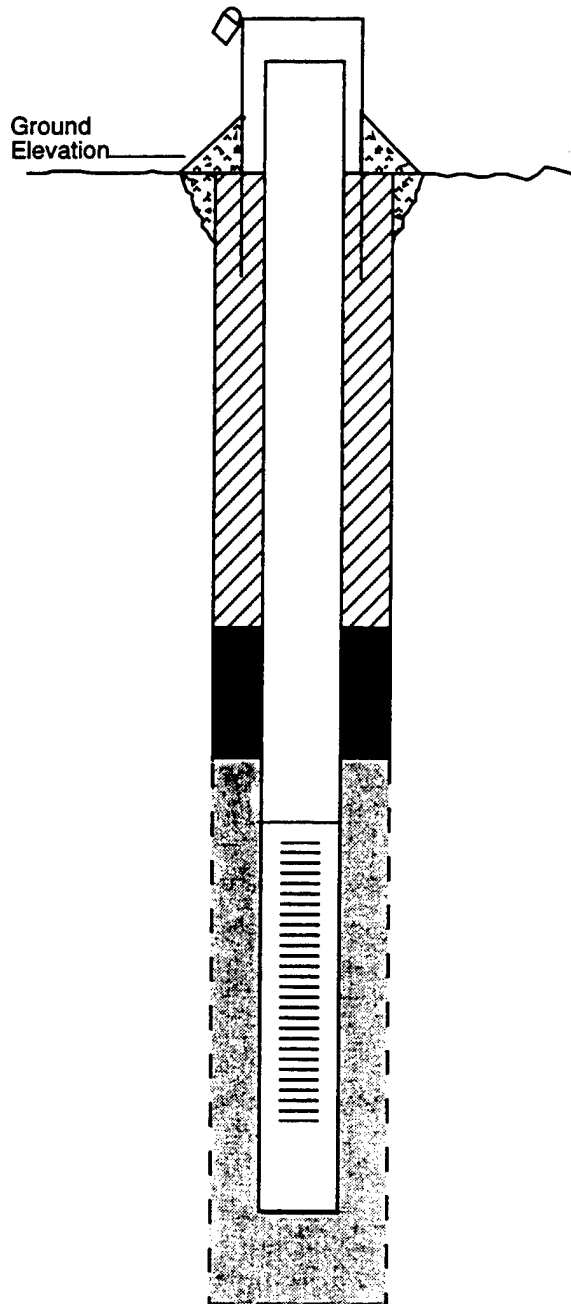
Project Fort Allen SI Study Area AOC 8 Driller Soil tech  
 Project No. 09890.03 Boring No. MW-08-01 Drilling Method HSA  
 Date Installed 11/14/96 Development Method B-K pump  
 Field Geologist M. Alonso Hand pump/surge.



Stick-up of Casing Above Ground Surface: 4 ft  
 Type of Surface Seal/Other Protection: Grout/Steel Post  
 Type of Surface Casing: 4-inch steel  
 ID of Surface Casing: 4-inch  
 Diameter of Borehole: 10 1/4"  
 Riser Pipe ID: 2"  
 Type of Riser Pipe: Sch. 40 PVC  
 Type of Backfill: Cement-Bentonite Grout  
 Depth of Top of Seal: 7'  
 Type of Seal: Bentonite Pellets  
 Depth of Top of Sand: 10'  
 Depth of Top of Screen: 15'  
 Type of Screen: Sch. 40 PVC  
 Slot Size x Length: 0.010" x 15'  
 ID of Screen: 2"  
 Type of Sandpack: #2 W.G. Morie Sand  
 Depth of Bottom of Screen: 30'  
 Depth of Sediment Sump with Plug: 0  
 Depth of Bottom of Borehole: 32'

# MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Allen SI Study Area AOC-9 Driller Soil Tech  
 Project No. 09890.03 Boring No. MW-09-01 Drilling Method HSA  
 Date Installed 11/17/96 Development Method B-K pump  
 Field Geologist M. Alonso Hand pump/surca.



Stick-up of Casing Above Ground Surface: 4 ft.  
 Type of Surface Seal/Other Protection: Grout / Steel Post  
 Type of Surface Casing: 4-inch Steel  
 ID of Surface Casing: 4-inch  
 Diameter of Borehole: 10 1/4"  
 Riser Pipe ID: 2"  
 Type of Riser Pipe: Sch. 40 PVC  
 Type of Backfill: Cement - Bentonite Grout  
 Depth of Top of Seal: 2'  
 Type of Seal: Bentonite Pellets  
 Depth of Top of Sand: 5'  
 Depth of Top of Screen: 10'  
 Type of Screen: Sch. 40 PVC  
 Slot Size x Length: 0.010" x 15'  
 ID of Screen: 2"  
 Type of Sandpack: #2 W. G. MORGAN SAND  
 Depth of Bottom of Screen: 25'  
 Depth of Sediment Sump with Plug: 0  
 Depth of Bottom of Borehole: 27'

**WELL DEVELOPMENT RECORDS**

# WELL DEVELOPMENT RECORD

Project: <b>Fort Allen SI</b>	Well Installation Date: <b>11/15/96</b>	Project No. <b>09890, 03</b>
Client: <b>US AEC</b>	Well Development Date: <b>11/20/96</b>	Logged by: <b>H. Alonso</b>
Well/Site I.D.: <b>MW-03-01</b>	Weather: <b>Hot humid Clear</b>	Start Date: <b>11/20/96</b>
		Finish Date: <b>11/20/96</b>

Well Construction Record Data:		Well Diameter: <b>2 in.</b>	Start Time: <b>1330</b>	Finish Time: <b>1550</b>
Bottom of Screen	<b>44 ft.</b>	From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/>		
Sediment Sump/Plug	<b>ft.</b>			
Screen Length	<b>15 ft.</b>			
		Fluids Lost during Drilling	<b>0 gal.</b>	

Protective Casing Stick-up	<b>4 ft.</b>	Protective Casing/Well Diff.	<b>0 ft.</b>	PID Readings:
				Ambient Air <b>0.0 ppm</b>
				Well Mouth <b>0.0 ppm</b>

Well Levels:		Sediment:	
Initial	<b>30.30 ft.</b>	Well Depth before Development	<b>44.20 ft.</b> (from top of PVC)
End of Development	<b>30.15 ft.</b>	Well Depth after Development	<b>43.90 ft.</b>
24 Hours after Development	<b>ft.</b>	Sediment Depth Removed	<b>N/A ft.</b>
HT of Water Column	<b>13.9 ft.</b>	x <input type="checkbox"/> 1.39" = <b>19.32 gal./vol.</b>	*for 2" HSA Installed Wells

Equipment:	Approximate Recharge Rate
<input type="checkbox"/> Dedicated Submersible Pump	<b>N/A gpm</b>
<input type="checkbox"/> Surge Block	
<input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> _____	Total Gallons Removed
<input type="checkbox"/> Grundfos Pump 2" _____ 4" _____	<b>2110 gal.</b>

Well Development Criteria Met:	Yes No
Notes: <b>All parameters measured stabilized except for turbidity which is high. Well was developed with hand operated well using a BK-pump.</b>	
<input checked="" type="checkbox"/> Well water clear to unaided eye	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	<input checked="" type="checkbox"/>
End of Well Development Sample (1 pint) Collected?	Yes No
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Total Gallons	pH	Temp.	Conductivity	Turbidity	Estimated Pumping Rate	Estimated Recharge Rate
1400	25	7.18	27.6°C	0.594	774	3 gpm	
1424	25	7.12	28.2°C	0.577	744	3 gpm	
1443	19	7.07	27.0°C	0.580	999	3 gpm	
1449	20	7.01	27.1°C	0.575	999	3 gpm	
1451	18	6.98	27.1°C	0.567	999	3 gpm	

Well Developer's Signature *Monica Alonso*

WELL DEVELOPMENT RECORD							
Project: <u>Fort Allen SA</u>			Well Installation Date: <u>11/16/96</u>			Project No. <u>0A890.03</u>	
Client: <u>U.S. AEC</u>			Well Development Date: <u>11/20/96</u>		Logged by: <u>M. Alonso</u>		Checked by:
Well/Site I.D.: <u>MW-03-02</u>			Weather:		Start Date: <u>11/20/96</u>		Finish Date: <u>11/21/96</u>
Well Construction Record Data:			Well Diameter: <u>2 in.</u>		Start Time: <u>13:30</u>		Finish Time: <u>14:00</u>
Bottom of Screen		<u>36</u> ft.	] From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/>		<u>11/21/96 (Baker)</u>		
Sediment Sump/Plug		<u>    </u> ft.					
Screen Length		<u>15</u> ft.	Fluids Lost during Drilling		<u>N/A</u> gal.		
Protective Casing Stick-up		<u>4</u> ft.	Protective Casing/Well Diff.		<u>0</u> ft.	PID Readings:	
						Ambient Air <u>0.0</u> ppm	
						Well Mouth <u>0.0</u> ppm	
Well Levels:		Sediment:					
Initial <u>11/21/96 26.8</u>		<u>30.20</u> ft.	Well Depth before Development		<u>39.0</u> ft.	(from top of PVC)	
End of Development <u>well dry.</u>		<u>39.80</u> ft.	Well Depth after Development		<u>39.80</u> ft.		
24 Hours after Development		<u>N/A</u> ft.	Sediment Depth Removed		<u>0.80</u> ft.		
HT of Water Column		<u>8.8</u> ft.	<input checked="" type="checkbox"/> 1.39" = <u>12.23</u> gal./vol.		*for 2" HSA Installed Wells		
Equipment:		See second page.					
<input type="checkbox"/> Dedicated Submersible Pump		Approximate Recharge Rate		<u>N/A</u> gpm			
<input type="checkbox"/> Surge Block		Total Gallons Removed		<u>&lt; 2</u> gal.			
<input checked="" type="checkbox"/> Bailer <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4"							
<input type="checkbox"/> Grundfos Pump 2" <u>    </u> 4" <u>    </u>							
Well Development Criteria Met: <u>silts &amp; clay</u>						Yes No	
Notes: <u>Well has mudhinside. reading for depth to water and total well depth is questionable.</u>				<input checked="" type="checkbox"/> Well water clear to unaided eye		<input type="checkbox"/> <input checked="" type="checkbox"/>	
<u>We have developed a stainless steel bailer. until dry.</u>				<input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length		<input type="checkbox"/> <input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost		<input type="checkbox"/> <input checked="" type="checkbox"/>	
End of Well Development Sample (1 pint) Collected?		Yes No		<input type="checkbox"/> <input checked="" type="checkbox"/>			
Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Total Gallons	pH	Temp.	Conductivity	Turbidity	Estimated Pumping Rate	Estimated Recharge Rate
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>The VC pump broke and will develop tomorrow with stainless steel bailer. The bailer was used for 12 times and then well was dry.</u> <u>Water parameters were not obtained</u>							
Well Developer's Signature		<u>Manny Alonso</u>					

## WELL DEVELOPMENT RECORD

[illegible]



# WELL DEVELOPMENT RECORD

Project: <b>Fort Allen SI</b>	Well Installation Date: <b>11/14/96</b>	Project No. <b>09890.03</b>
Client: <b>USAEC</b>	Well Development Date: <b>11/20/96</b>	Logged by: <b>H. Alonso</b>
Well/Site I.D.: <b>MW-08-01</b>	Weather: <b>Cloudy, hot, humid</b>	Start Date: <b>11/20/96</b>
		Finish Date: <b>11/20/96</b>

Well Construction Record Data:		Well Diameter: <b>2</b> in.	Start Time: <b>1030</b>	Finish Time: <b>1127</b>
Bottom of Screen	<b>30</b> ft.	From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/>		
Sediment Sump/Plug	<b>N/A</b> ft.			
Screen Length	<b>15</b> ft.	Fluids Lost during Drilling: <b>N/A</b> gal.		

Protective Casing Stick-up: <b>4</b> ft.	Protective Casing/Well Diff.: <b>0</b> ft.	PID Readings:
		Ambient Air: <b>0.0</b> ppm
		Well Mouth: <b>0.0</b> ppm

Well Levels:		Sediment:	
Initial	<b>20.40</b> ft.	Well Depth before Development	<b>34.17</b> ft. (from top of PVC)
End of Development	<b>20.24</b> ft.	Well Depth after Development	<b>34.20</b> ft.
24 Hours after Development	ft.	Sediment Depth Removed	<b>0.03</b> ft.
HT of Water Column	<b>13.77</b> ft.	$\times \begin{matrix} \square 1.39'' \\ \square \end{matrix} = \text{19.16 gal./vol.}$	
		*for 2" HSA Installed Wells	

Equipment:	Approximate Recharge Rate
<input type="checkbox"/> Dedicated Submersible Pump <input checked="" type="checkbox"/> Surge Block <b>VK pump</b> <input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> Grundfos Pump 2" <input type="checkbox"/> 4"	<div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> gpm Total Gallons Removed: <b>103</b> gal.

Well Development Criteria Met: <b>BK pump. (hand pump/suave)</b>	■ Well water clear to unaided eye <span style="float: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></span> ■ Sediment thickness remaining in well is <1.0% of screen length <span style="float: right;">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span> ■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <span style="float: right;">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></span>
Notes: <u>The turbidity of the developed water is high. It is not clear to unaided eye.</u>	
End of Well Development Sample (1 pint) Collected? <span style="float: right;">Yes <input type="checkbox"/> No <input type="checkbox"/></span>	

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Total Gallons	pH	Temp.	Conductivity	Turbidity	Estimated Pumping Rate	Estimated Recharge Rate
<b>1050</b>	<b>25</b>	<b>7.08</b>	<b>27.3°C</b>	<b>0.659</b>	<b>999</b>	<b>3 gpm</b>	
<b>1056</b>	<b>20 (45)</b>	<b>7.19</b>	<b>27.1°C</b>	<b>0.654</b>	<b>999</b>	<b>3 gpm</b>	
<b>1103</b>	<b>19 (64)</b>	<b>7.26</b>	<b>26.9°C</b>	<b>0.653</b>	<b>999</b>	<b>3 gpm</b>	
<b>1109</b>	<b>18 (82)</b>	<b>7.21</b>	<b>27.0°C</b>	<b>0.654</b>	<b>766</b>	<b>3 gpm</b>	
<b>1116</b>	<b>21 (103)</b>	<b>7.16</b>	<b>27.0°C</b>	<b>0.652</b>	<b>862</b>	<b>3 gpm</b>	

Well Developer's Signature: *Manuel Lopez*

# WELL DEVELOPMENT RECORD

Project: USAEC / Fort Allen SI Well Installation Date: 11/17/96 Project No. 09890.03

Client: USAEC Well Development Date: 11/20/96 Logged by: M. ALONSO Checked by:

Well/Site I.D.: MW-09-01 Weather: Cloudy, hot, humid Start Date: 11/20/96 Finish Date: 11/20/96

Well Construction Record Data: Well Diameter 2 in.

Bottom of Screen 25 ft. From Ground Surface ☒ From Top of Riser ☐

Sediment Sump/Plug N/A ft. Plug 24"

Screen Length 15 ft. Fluids Lost during Drilling N/A gal.

Start Time: 0739 Finish Time: 0856

Protective Casing Stick-up 4 ft. Protective Casing/Well Diff.      ft. PID Readings: Ambient Air 0.0 ppm

Well Mouth 0.0 ppm

Well Levels: Initial 16.90 ft. Sediment: Well Depth before Development 30.42 ft. (from top of PVC)

End of Development 17.10 ft. Well Depth after Development 30.10 ft.

24 Hours after Development N/A ft. Sediment Depth Removed 0.32 ft.

HT of Water Column 13.52 ft. x ☒ 1.39\* = 18.79 gal./vol. \*for 2" HSA Installed Wells

Equipment: ☐ Dedicated Submersible Pump Approximate Recharge Rate      gpm

☐ Surge Block Total Gallons Removed 106 gal.

☐ Bailer ☐ 2" ☐ 4" BK Pump (hand pump/surge)

☐ Grundfos Pump 2"      4"     

Well Development Criteria Met: Yes No

Notes: The turbidity of the water is high except for the last sample (89 NTU)

☒ Well water clear to unaided eye ☐ ☒

☒ Sediment thickness remaining in well is <1.0% of screen length ☐

☒ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost ☐

End of Well Development Sample (1 pint) Collected? ☒ Yes ☐ No

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Total Gallons	pH	Temp.	Conductivity	Turbidity	Estimated Pumping Rate	Estimated Recharge Rate
<u>0806</u>	<u>23</u>	<u>7.02</u>	<u>28.1°C</u>	<u>0.801</u>	<u>999</u>	<u>3 gpm.</u>	
<u>0819</u>	<u>19 (42)</u>	<u>7.10</u>	<u>28.0°C</u>	<u>0.785</u>	<u>999</u>	<u>3 gpm.</u>	
<u>0835</u>	<u>24 (66)</u>	<u>7.14</u>	<u>28.3°C</u>	<u>0.803</u>	<u>999</u>	<u>3 gpm.</u>	
<u>0841</u>	<u>20 (86)</u>	<u>7.20</u>	<u>27.8°C</u>	<u>0.801</u>	<u>999</u>	<u>3 gpm.</u>	
<u>0856</u>	<u>20 (106)</u>	<u>7.02</u>	<u>28.3°C</u>	<u>0.781</u>	<u>89</u>	<u>3 gpm.</u>	

Well Developer's Signature M. ALONSO

**GROUNDWATER SAMPLING DATA RECORDS**

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**ABB Environmental Services, Inc.**

PROJECT	FORT ALLEN, PR		JOB NUMBER	9890-03		DATE	12-4-96	
WELL ID	MW-03-01		ACTIVITY			BOTTLE		
SAMPLE ISIS ID	M030126X		TIME	START 0807 END 1022		TIME	1030	
<input type="checkbox"/> QC SAMPLES COLLECTED	DUPLICATE ID							
	MS ID							
	MSD ID							

MEASURED WELL DEPTH	43.90 FT (TOR)	HISTORICAL WELL DEPTH	FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	3.05 FT	PROTECTIVE CASING / WELL DIFFERENCE	0.06 FT
DEPTH TO WATER	30.12 FT (TOR)	SCREEN LENGTH	15 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC
HEIGHT OF WATER COLUMN	13.78 FT	<input checked="" type="checkbox"/> 1.39 <input checked="" type="checkbox"/> 0.46 GAL/FT (2 IN) <input type="checkbox"/> 0.65 GAL/FT (4 IN) = 19.15 GAL/VOL <input type="checkbox"/> 1.5 GAL/FT (6 IN)		TOTAL VOLUME PURGED	95.77 GAL		
				AMBIENT AIR	- PPM	WELL MOUTH	- PPM

PURGE VOLUME (gallons)	19	38	57	76	95
TEMPERATURE (degreesC)	23	23	23	23	22.5
pH (units)	6.25	6.22	6.28	6.26	6.25
TURBIDITY (ntu)	2.08	0.44	0.24	0.20	0.66
SPEC. COND. (u/mhos/cm)	505	507	513	523	522
DISSOLVED OXYGEN (mg/L)	—	—	—	—	—
REDOX POTENTIAL	—	—	—	—	—

<input checked="" type="checkbox"/>	CLEAR
<input type="checkbox"/>	COLOR <u>                    </u>
<input type="checkbox"/>	CLOUDY <u>                    </u>
<input type="checkbox"/>	TURBID <u>                    </u>
<input type="checkbox"/>	ODOR <u>                    </u>
<input type="checkbox"/>	OTHER (see notes)

PURGING	SAMPLING		DECON FLUIDS USED		WATER LEVEL EQUIPMENT USED
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PERISTALTIC PUMP	<input type="checkbox"/>	METHANOL	<input checked="" type="checkbox"/> ELECTRIC COND. PROBE
<input type="checkbox"/>	<input type="checkbox"/>	SUBMERSIBLE PUMP	<input type="checkbox"/>	LIQUINOX	<input type="checkbox"/> FLOAT ACTIVATED
<input type="checkbox"/>	<input type="checkbox"/>	BLADDER PUMP	<input checked="" type="checkbox"/>	POTABLE WATER	<input type="checkbox"/> KECK INTERFACE PROBE
<input type="checkbox"/>	<input type="checkbox"/>	PVC/SILICON TUBING	<input type="checkbox"/>	DEIONIZED WATER	_____
<input type="checkbox"/>	<input type="checkbox"/>	TEFLON/SILICON TUBING	<input type="checkbox"/>	HEXANE	
<input type="checkbox"/>	<input type="checkbox"/>	WATERA	<input type="checkbox"/>	NITRIC ACID	
<input type="checkbox"/>	<input type="checkbox"/>	IN LINE FILTER	<input type="checkbox"/>	_____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PRESSVAC FILTER			NUMBER OF FILTERS USED _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Teflon Bailer</u>			

<u>ANALYTICAL PARAMETERS</u>	<u>METHOD NUMBER</u>	<u>FILTERED</u>	<u>PRESERVATION METHOD</u>	<u>VOLUME REQUIRED</u>	<u>SAMPLE COLLECTED</u>	<u>SAMPLE BOTTLE ID NUMBERS</u>
<input type="checkbox"/> VOCs	VMS1-WA		HCL pH<2	(3) 40 ml	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> SVOCs	SMV1-WA		4°C	(2) 1L AG	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> Inorganics	see below		HN03 pH<2	(1) 1L Poly	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> TPH-GRO	USEPA 8015A		HCL pH<2	(3) 40 ml	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> TPH-DRO	USEPA 8015A		4°C	(2) 1L AG	<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /

Inorganics: ICM1-WA, ICP1-WA, HGC1-WA, GPB1-WA, GSE1-WA, GTL1-WA

SIGNATURE: Scott Onelich

PROJECT	FORT ALLEN, PR	JOB NUMBER	9890-03	DATE	12-4-96
WELL ID	MW-03-02	ACTIVITY		BOTTLE	
SAMPLE ISIS ID	M030222X	TIME	START 0720 END 0727	TIME	0906
<input type="checkbox"/> QC SAMPLES COLLECTED	DUPLICATE ID				
	MS ID				
	MSD ID				

WATER LEVEL / WELL DATA		PROTECTIVE CASING STICKUP (FROM GROUND)		PROTECTIVE CASING / WELL DIFFERENCE	
MEASURED WELL DEPTH	40.56 FT (TOR)	HISTORICAL WELL DEPTH	3.01 FT		-0.04 FT
DEPTH TO WATER	26.84 FT (TOR)	SCREEN LENGTH	2 IN	WELL MATERIAL	PVC
HEIGHT OF WATER COLUMN	13.72 FT	<input checked="" type="checkbox"/> 0.15 GAL/FT (2 IN) <input type="checkbox"/> 0.05 GAL/FT (4 IN) = <input type="checkbox"/> 1.5 GAL/FT (6 IN)	19.07 GAL VOL	TOTAL VOLUME PURGED	95.35 GAL
		AMBIENT AIR	- PPM	WELL MOUTH	- PPM

PURGE VOLUME (gallons)	0 (initial)	3	3.5		
TEMPERATURE (degreesC)	23	23	23		
pH (units)	6.21	6.24	6.26		
TURBIDITY (ntu)	OUT OF RANGE	OUT OF RANGE	69.2		
SPEC. COND. (u/mhos/cm)	593	583	588		
DISSOLVED OXYGEN (mg/L)	-	-	-		
REDOX POTENTIAL	-	-	-		

☐ CLEAR  
☐ COLORED \_\_\_\_\_  
☒ CLOUDY \_\_\_\_\_  
☒ TURBID Silty  
☐ ODOR \_\_\_\_\_  
☐ OTHER (see notes)

PURGING	SAMPLING		DECON FLUIDS USED		WATER LEVEL EQUIPMENT USED
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PERISTALTIC PUMP	<input type="checkbox"/>	METHANOL	<input checked="" type="checkbox"/> ELECTRIC COND. PROBE
<input type="checkbox"/>	<input type="checkbox"/>	SUBMERSIBLE PUMP	<input checked="" type="checkbox"/>	LIQUINOX	<input type="checkbox"/> FLOAT ACTIVATED
<input type="checkbox"/>	<input type="checkbox"/>	BLADDER PUMP	<input type="checkbox"/>	POTABLE WATER	<input type="checkbox"/> KECK INTERFACE PROBE
<input type="checkbox"/>	<input type="checkbox"/>	PVC/SILICON TUBING	<input type="checkbox"/>	DEIONIZED WATER	_____
<input type="checkbox"/>	<input type="checkbox"/>	TEFLON/SILICON TUBING	<input type="checkbox"/>	HEXANE	
<input type="checkbox"/>	<input type="checkbox"/>	WATTEKA	<input type="checkbox"/>	NITRIC ACID	
<input type="checkbox"/>	<input type="checkbox"/>	IN LINE FILTER	<input type="checkbox"/>	_____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PRESS/VAC FILTER			NUMBER OF FILTERS USED _____
		<u>Teflon Baster</u>			

<u>ANALYTICAL PARAMETERS</u>						<u>SAMPLE BOTTLE ID NUMBERS</u>
	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	
<input type="checkbox"/> VOCs	VMS1-WA		HCL pH<2	(3) 40 ml	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> SVOCs	SMV1-WA		4°C	(2) 1L AG	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> Inorganics	see below		HN03 pH<2	(1) 1L Poly	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> TPH-GRO	USEPA 8015A		HCL pH<2	(3) 40 ml	<input type="checkbox"/>	/ / / /
<input type="checkbox"/> TPH-DRO	USEPA 8015A		4°C	(2) 1L AG	<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
<input type="checkbox"/>					<input type="checkbox"/>	/ / / /
Inorganics: ICM1-WA, ICP1-WA, HGC1-WA, GPB1-WA, GSE1-WA, GTL1-WA					<input type="checkbox"/>	/ / / /

Inorganics: ICM1-WA, ICP1-WA, HGC1-WA, GPB1-WA, GSE1-WA, GTL1-WA

NOTES Well went dry after 3.5 gallons. Allowed well to recover then sampled.

**SIGNATURE:**

RECEIVED BY:

**ABB Environmental Services, Inc.**

**BENIGNO RODRIGUEZ BURGOS & ASOCIADOS**  
AGRIMENSORES - INGENIEROS - CONSULTORES  
CARR. 14 KM. 7.6 (FRENTE AL CEMENTERIO LAS MERCEDES) COTO LAUREL, PONCE, PR

B  
R  
B  
APARTADO 10425  
PONCE, P.R. 00732-0425

TEL (787) 841-8927  
FAX: (787) 842-9284  
Beeper 1-800-981-6593  
Unidad 2910

December 27, 1996

ABB Environmental Services  
P.O. Box 7050 DTS  
110 Free Street  
Portland, Maine 04112-7050

Att. Mr. George Howitt

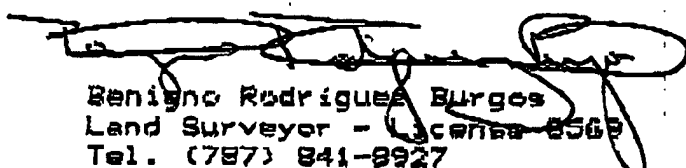
Subject: Quotation PD 96-116  
Elevation Survey  
Ft. Allen, J. Diaz, PR

Dear Sir:

Enclosed will find copy of the field book, elevation data,  
closing data and diagram of monitoring wells.

1. Diagram "Monitoring Well" (MW-08-01)
  - A. Elevation in ground corner (N-E) (9.890 mts.)
  - B. Elevation of iron tube (10.990 mts.)
  - C. Elevation of PVC tube (North side) (10.994 mts.)
2. Diagram "Monitoring Well" (MW-09-01)
  - A. Elevation in ground corner (N-W) (8.878 mts.)
  - B. Elevation of iron tube (9.959 mts.)
  - C. Elevation PVC tube (North side) (9.957 mts.)
3. Diagram "Monitoring Well" (MW-03-02)
  - A. Elevation in ground corner (N-E) (14.487 mts.)
  - B. Elevation of iron tube (15.397 mts.)
  - C. Elevation PVC tube (North side) (15.406 mts.)
4. Diagram "Monitoring Well" (MW-03-01)
  - A. Elevation in ground corner (S-E) (16.050 mts.)
  - B. Elevation of iron tube (16.991 mts.)
  - C. Elevation PVC tube (North side) (17.013 mts.)

Sincerely;

  
Benigno Rodriguez Burgos  
Land Surveyor - License 8569  
Tel. (787) 841-8927

**SURVEY DATA**

**TABLE G-1  
GPS SURVEY DATA**

**FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO**

SITE ID	UTM COORDINATES <sup>1</sup>		COMMENTS <sup>2</sup>
	EASTING	NORTHING	
<b><u>AOC 3</u></b>			Coordinates are estimated. Coordinates are estimated.
MW-03-01	763515.747	1993850.273	
MW-03-02	763425.039	1993703.732	
GP-03-01	763493.000	1993860.000	
GP-03-02	763511.000	1993859.000	
GP-03-03	763524.765	1993860.301	
GP-03-04	763539.812	1993858.181	
GP-03-05	763552.698	1993859.105	
GP-03-06	763453.903	1993702.870	
GP-03-07	763440.000	1993706.141	
GP-03-08	763423.380	1993707.446	
GP-03-09	763413.139	1993707.003	
GP-03-10	763402.664	1993710.287	
<b><u>AOC 8</u></b>			
SB-08-01	763772.828	1993172.796	
SB-08-02	763742.447	1993180.985	
MW-08-01	763757.010	1993157.160	
GP-08-01	763745.397	1993097.697	
GP-08-02	763737.692	1993089.878	
SV-08-01	763745.397	1993097.697	
SV-08-02	763737.692	1993089.878	
<b><u>AOC 9</u></b>			Coordinates are estimated.
MW-09-01	763562.000	1992916.000	
SB-09-01	763612.520	1992842.650	
SB-09-02	763339.833	1993220.180	
SB-09-03	763375.840	1992942.247	
SB-09-04	763504.615	1993019.224	
SS-09-01	763357.603	1992948.599	
SS-09-02	763383.728	1993188.696	
GP-09-01	763636.250	1992853.580	
GP-09-02	763644.100	1992868.560	
GP-09-03	763627.540	1992882.130	
GP-09-04	763597.110	1992861.780	
GP-09-05	763487.970	1993083.747	
GP-09-06	763453.940	1993035.200	
GP-09-07	763493.896	1992996.573	
GP-09-08	763501.788	1993066.735	



**TABLE G-1  
GPS SURVEY DATA**

**FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO**

SITE ID	SITE COORDINATES		COMMENTS
	EASTING	NORTHING	
<b><u>PAINT AND CHEMICAL STORAGE ROOM</u></b>			
GP-PC-01	763621.746	1992926.550	
GP-PC-02	763605.470	1992911.005	
GP-PC-03	763615.626	1992882.104	
GP-PC-04	763633.572	1992890.181	
SV-PC-01	763624.140	1992925.067	
SV-PC-02	763608.223	1992908.899	
SV-PC-03	763631.690	1992882.717	
SV-PC-04	763633.030	1992899.637	
SV-PC-05	763634.087	1992917.288	
MW-1	763636.188	1992902.246	
MW-2	763637.600	1992898.282	
MW-3	763633.177	1992898.169	
MW-4	763635.547	1992895.522	
<b><u>PESTICIDE/HERBICIDE MIXING AND STORAGE AREA</u></b>			
GP-PH-01	763790.000	1992949.000	Coordinates are estimated.
GP-PH-02	763802.382	1992943.338	
GP-PH-03	763819.559	1992962.085	
SB-PH-01	763835.705	1992961.874	
SV-PH-01	763791.000	1992947.000	Coordinates are estimated.
SV-PH-02	763802.655	1992942.028	
SV-PH-03	763807.868	1992962.305	
SV-PH-04	763819.130	1992962.032	
<b><u>OMS #9</u></b>			
GP-M9-01	764161.259	1992900.848	
GP-M9-02	764156.551	1992915.616	
GP-M9-03	764131.823	1992927.974	
GP-M9-04	764061.765	1992896.766	
GP-M9-05	764095.358	1992867.603	
SB-M9-01	764156.035	1992901.833	
SS-M9-01	764067.394	1992869.686	
SV-M9-01	764160.523	1992900.855	
SV-M9-02	764154.408	1992901.903	
SV-M9-03	764157.617	1992909.530	
SV-M9-04	764059.793	1992914.499	
SV-M9-05	764057.686	1992895.918	
SV-M9-06	764094.596	1992867.931	

**TABLE G-1  
GPS SURVEY DATA**

**FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO**

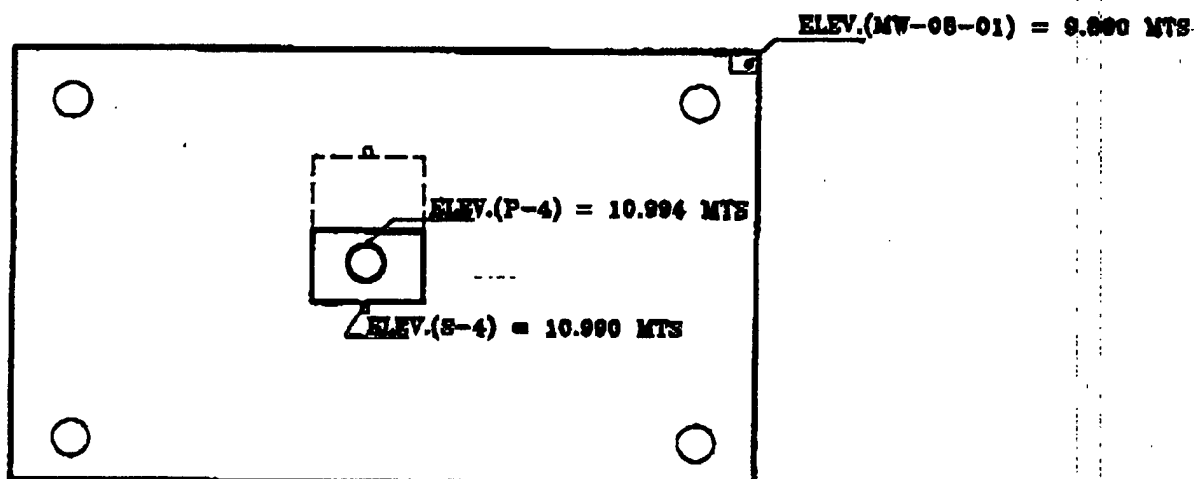
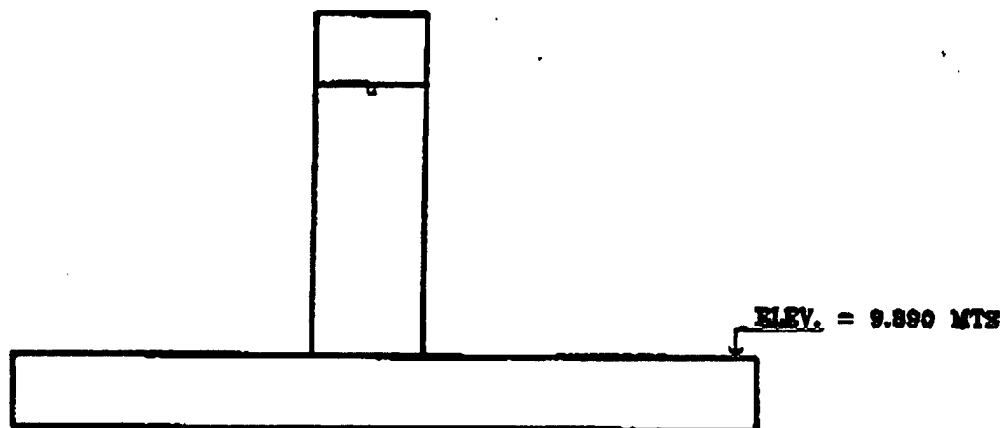
SITE ID	UTM COORDINATES <sup>1</sup>		COMMENTS <sup>2</sup>
	EASTING	NORTHING	
<b><u>LEAKING ELECTRICAL TRANSFORMER</u></b>			
SS-LE-01	764231.000	1992778.000	Coordinates are estimated.
SS-LE-02	764232.000	1992778.000	Coordinates are estimated.
<b><u>WASTEWATER TREATMENT PLANT</u></b>			
GP-WW-01	765195.813	1992955.762	Coordinates are estimated.
GP-WW-02	765200.818	1992957.159	
GP-WW-03	765233.408	1992929.010	
GP-WW-04	765238.000	1992936.000	
GP-WW-05	765242.343	1992930.492	
GP-WW-06	765246.363	1992925.794	
SS-WW-01	765243.915	1992926.835	
SV-WW-01	765199.851	1992955.980	
SV-WW-02	765233.293	1992928.845	

NOTES:

- 1) Puerto Rico Datum.
- 2) All coordinates measured with Trimble Pro-XL GPS unit and radio beacon, unless otherwise noted.

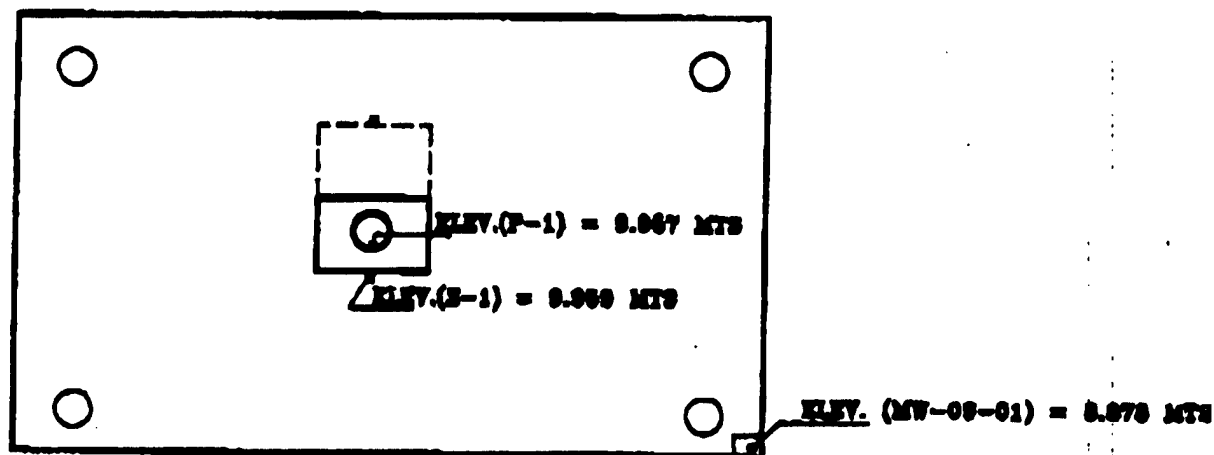
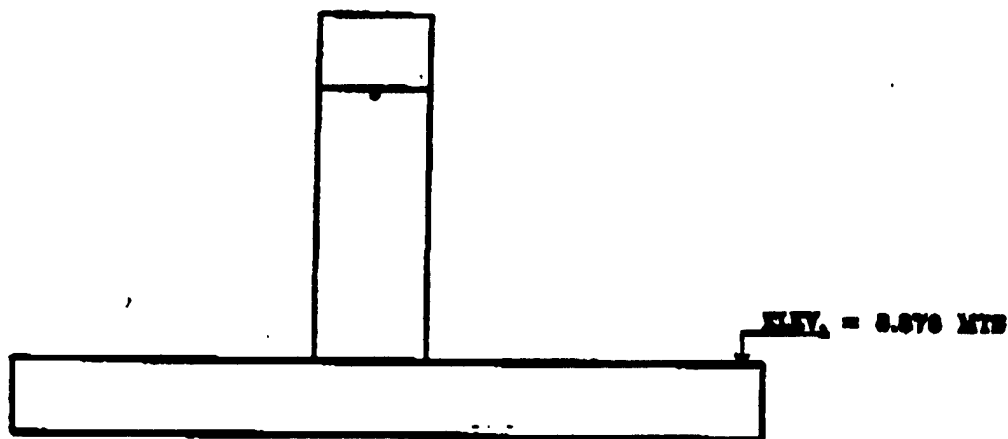


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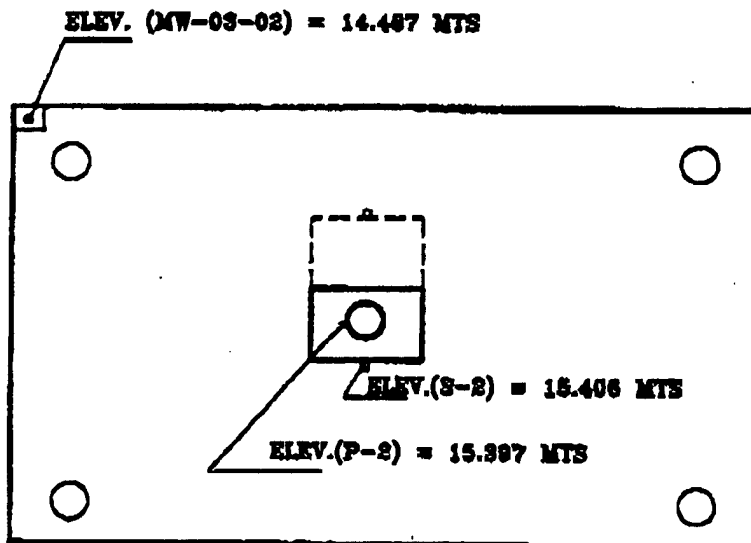
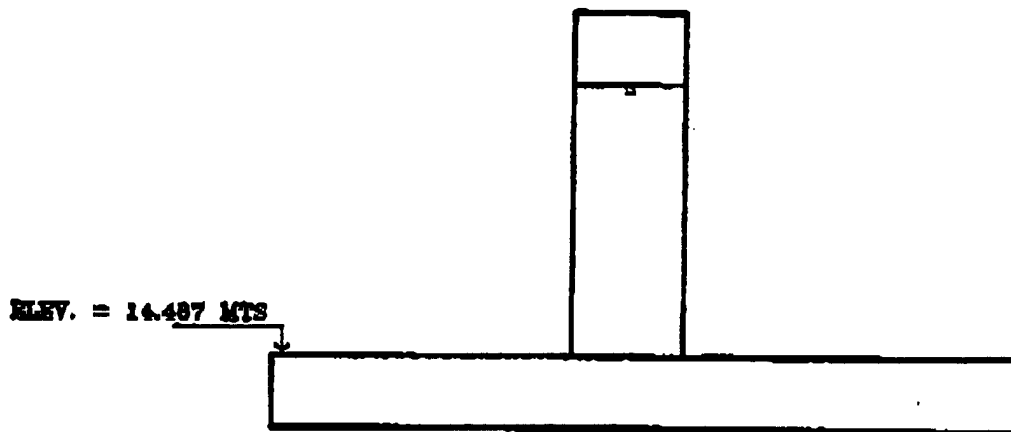


MW-08-01

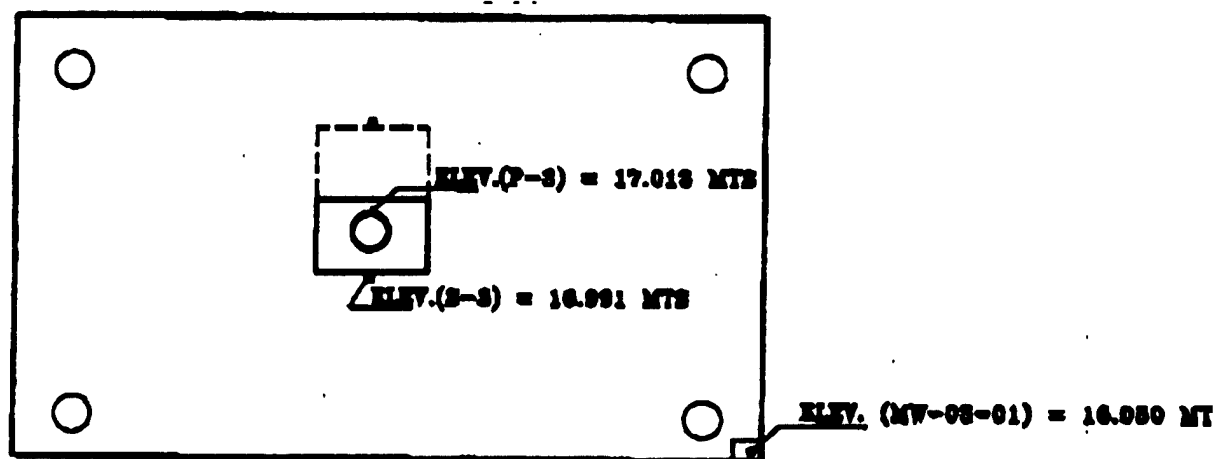
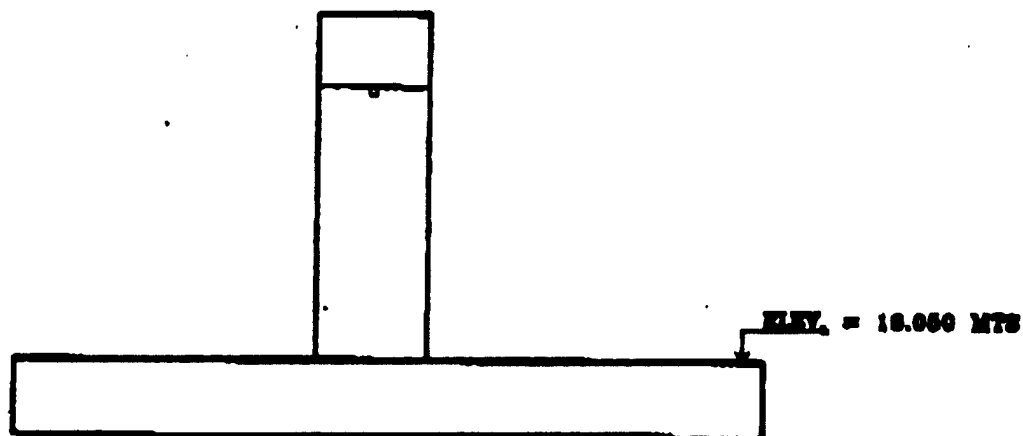
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MW-09-01



MW-03-02



MW-03-01

**PROJECT ANALYTE LIST/QUANTERRA REPORTING LIMITS**

Volatile Organics Target Compound List (TCL)

VMS1

<u>Component</u>	<u>Reporting Limit (ua/L)</u>
Chloromethane	1.0
Acetone	5.0
Bromomethane	1.0
Vinyl chloride	1.0
Chloroethane	1.0
Methylene chloride	1.0
1,1-Dichloroethene	1.0
1,1-Dichloroethane	1.0
2-Hexanone	5.0
1,2-Dichloroethene ^(cis/trans)	1.0
Chlorobenzene	1.0
4-Methyl-2-pentanone ^(MIBK)	5.0
Chloroform	1.0
1,2-Dichloroethane	1.0
2-Butanone (MEK)	15
Carbon disulfide	1.0
1,1,1-Trichloroethane	1.0
Carbon tetrachloride	1.0
Bromodichloromethane	1.0
1,2-Dichloropropane	1.0
Trichloroethene	1.0
Dibromochloromethane	1.0
cis-1,3-Dichloropropene	1.0
trans-1,3-Dichloropropene	1.0
1,1,2-Trichloroethane	1.0
Benzene	1.0
Bromoform	1.0
1,1,2,2-Tetrachloroethane	1.0
Tetrachloroethene	1.0
Toluene	1.0
Ethylbenzene	1.0
Styrene	1.0
Xylenes (total)	1.0



Volatile Organics^Target Compound List (TCL)

VMS1

<u>Component</u>	<u>Reporting Limit (ua/am)</u>
Toluene	0.010
Acetone	0.010
Benzene	0.010
Bromodichloromethane	0.010
Bromoform	0.010
Bromomethane	0.010
2-Butanone (MEK)	0.010
Carbon disulfide	0.010
Carbon tetrachloride	0.010
Chlorobenzene	0.010
Chloroethane	0.010
Chloroform	0.010
Chloromethane	0.010
Dibromochloromethane	0.010
1,1-Dichloroethane	0.010
1,2-Dichloroethane	0.010
1,1-Dichloroethene	0.010
1,2-Dichloroethene ^(total)	0.010
1,2-Dichloropropane	0.010
cis-1,3-Dichloropropene	0.010
trans-1,3-Dichloropropene	0.010
Ethylbenzene	0.010
2-Hexanone	0.010
Methylene chloride	0.010
4-Methyl-2-pentanone ^(MIBK)	0.010
Styrene	0.010
1,1,2,2-Tetrachloroethane	0.010
Tetrachloroethene	0.010
1,1,1-Trichloroethane	0.010
1,1,2-Trichloroethane	0.010
Trichloroethene	0.010
Vinyl chloride	0.010
Xylenes (total)	0.010

Semivolatile Organics^Target Compound List (TCL)

SMV1

<u>Component</u>	<u>Reporting Limit (ug/L)</u>
Acenaphthene	10
Acenaphthylene	10
Anthracene	10
Carbazole	10
Benzo(a)anthracene	10
Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	10
Benzo(g,h,i)perylene	10
Benzo(a)pyrene	10
4-Bromophenyl^phenyl ether	10
Butyl benzyl phthalate	10
4-Chloroaniline	10
bis(2-Chloroethoxy)^methane	10
bis(2-Chloroethyl) ether	10
bis(2-Chloroisopropyl)^ether	10
p-Chloro-m-cresol	10
2-Chloronaphthalene	10
2-Chlorophenol	10
4-Chlorophenyl ^phenyl ether	10
Chrysene	10
Dibenz(a,h)anthracene	10
Dibenzofuran	10
Di-n-butyl phthalate	10
1,2-Dichlorobenzene	10
1,3-Dichlorobenzene	10
1,4-Dichlorobenzene	10
3,3'-Dichlorobenzidine	10
2,4-Dichlorophenol	10
Diethyl phthalate	10
2,4-Dimethylphenol	10
Dimethyl phthalate	10
4,6-Dinitro-^2-methylphenol	25
2,4-Dinitrophenol	80
2,4-Dinitrotoluene	10
2,6-Dinitrotoluene	10
Di-n-octyl phthalate	10
bis(2-Ethylhexyl)^phthalate	35
Fluoranthene	10
Fluorene	10
Hexachlorobenzene	10
Hexachlorobutadiene	10
Hexachlorocyclopentadiene	10
Hexachloroethane	10
Indeno(1,2,3-cd)pyrene	10
Isophorone	10
2-Methylnaphthalene	10
2-Methylphenol	10
4-Methylphenol	10
Naphthalene	10
2-Nitroaniline	25

24 OCT 96

Page 2

Semivolatile Organics^Target Compound List (TCL)

SMV1

<u>Component</u>	<u>Reporting Limit (ua/L)</u>
3-Nitroaniline	25
4-Nitroaniline	25
Nitrobenzene	10
2-Nitrophenol	10
4-Nitrophenol	25
N-Nitrosodiphenylamine	10
N-Nitroso-di-n-propylamine	10
Pentachlorophenol	25
Phenanthrene	10
Phenol	10
Pyrene	10
1,2,4-Trichlorobenzene	10
2,4,5-Trichlorophenol	25
2,4,6-Trichlorophenol	10

8270-USATHAMA-A

## SMV2

<u>Component</u>	<u>Reporting Limit (ua/am)</u>
Phenol	0.33
bis(2-Chloroethyl) ether	0.33
2-Chlorophenol	0.33
1,3-Dichlorobenzene	0.33
1,4-Dichlorobenzene	0.33
1,2-Dichlorobenzene	0.33
2-Methylphenol	0.33
bis(2-Chloroisopropyl)^ether	0.33
4-Methylphenol	0.33
N-Nitroso-di-n-propylamine	0.33
Hexachloroethane	0.33
Nitrobenzene	0.33
Isophorone	0.33
2-Nitrophenol	0.33
2,4-Dimethylphenol	0.33
bis(2-Chloroethoxy)^methane	0.33
2,4-Dichlorophenol	0.33
1,2,4-Trichlorobenzene	0.33
Naphthalene	0.33
4-Chloroaniline	0.33
Hexachlorobutadiene	0.33
p-Chloro-m-cresol	0.33
2-Methylnaphthalene	0.33
Hexachlorocyclopentadiene	0.33
2,4,6-Trichlorophenol	0.33
2,4,5-Trichlorophenol	0.80
2-Chloronaphthalene	0.33
2-Nitroaniline	0.80
Dimethyl phthalate	0.33
Acenaphthylene	0.33
3-Nitroaniline	0.80
Acenaphthene	0.33
2,4-Dinitrophenol	0.80
4-Nitrophenol	0.80
Dibenzofuran	0.33
2,4-Dinitrotoluene	0.33
2,6-Dinitrotoluene	0.33
Diethyl phthalate	0.33
4-Chlorophenyl ^phenyl ether	0.33
Fluorene	0.33
4-Nitroaniline	0.80
4,6-Dinitro-^2-methylphenol	1.0
N-Nitrosodiphenylamine	0.33
4-Bromophenyl^phenyl ether	0.33
Hexachlorobenzene	0.33
Pentachlorophenol	0.80
Phenanthrene	0.33
Anthracene	0.33
Carbazole	0.33
Di-n-butyl phthalate	0.33

TCL Semivolatile Organics

## SMV2

<u>Component</u>	<u>Reporting Limit (ug/cm)</u>
Fluoranthene	0.33
Pyrene	0.33
Butyl benzyl phthalate	0.33
3,3'-Dichlorobenzidine	0.33
Benzo(a)anthracene	0.33
bis(2-Ethylhexyl)^phthalate	0.33
Chrysene	0.33
Di-n-octyl phthalate	0.50
Benzo(b)fluoranthene	0.33
Benzo(k)fluoranthene	0.50
Benzo(a)pyrene	0.33
Indeno(1,2,3-cd)pyrene	0.50
Dibenz(a,h)anthracene	0.60
Benzo(g,h,i)perylene	0.60



11/5/96

### AEC Metals Methods and Reporting Limits

Method	Method Description	Element	Soil Reporting Limit (ug/gm)	Water Reporting Limit (ug/L)
ICM1	ICP/MS	Antimony	0.2	1.0
ICM1	ICP/MS	Arsenic	1.0	5.0
ICM1	ICP/MS	Beryllium	0.2	1.0
ICM1	ICP/MS	Cadmium	0.2	1.0
ICP1 & ICP2	ICP	Aluminum	280	200
ICP1 & ICP2	ICP	Barium	40	200
ICP1 & ICP2	ICP	Calcium	1000	5000
ICP1 & ICP2	ICP	Chromium	3	10
ICP1 & ICP2	ICP	Cobalt	10	50
ICP1 & ICP2	ICP	Copper	5	25
ICP1 & ICP2	ICP	Iron	280	100
ICP1 & ICP2	ICP	Magnesium	1000	1000
ICP1 & ICP2	ICP	Manganese	7	15
ICP1 & ICP2	ICP	Nickel	8	40
ICP1 & ICP2	ICP	Potassium	1000	5000
ICP1 & ICP2	ICP	Silver	2	10
ICP1 & ICP2	ICP	Sodium	1000	5000
ICP1 & ICP2	ICP	Vanadium	10	50
ICP1 & ICP2	ICP	Zinc	4	20
GPB1	GFAA	Lead	1	3
GSE1	GFAA	Selenium	1	5
GTL1	GFAA	Thallium	2	10

Note: ICP1 applies only to soil samples and ICP2 only to waters.

30 OCT 96

Page 1

Mercury, Cold Vapor AA (Total)

HGC1

Component

Reporting Limit (ug/L)

Mercury

0.20

HG-CVAA-USATHAMA-AT

24 OCT 96

Page 1

Mercury, Cold Vapor AA

HGC1

Component

Reporting Limit (ug/am)

Mercury

0.20

HG-CVAA-USATHAMA-S



30 OCT 96

Page 1

Gasoline Range Organics and Selected Components

API GRO

<u>Component</u>	<u>Reporting Limit (ug/L)</u>
Benzene	0.50
Toluene	0.50
Ethylbenzene	0.50
Xylenes (total)	0.50
Gasoline Range Organics	10

8020-GRO-AP

29 OCT 96

Page 1

Gasoline Range Organics and Selected Components

API GRO

<u>Component</u>	<u>Reporting Limit (mg/kg)</u>
Benzene	0.025
Toluene	0.025
Ethylbenzene	0.025
Xylenes (total)	0.025
Gasoline Range Organics	0.50

8020-GRO-S

29 OCT 96

Page 1

Extractable Petroleum Hydrocarbons

GC/FID

<u>Component</u>	<u>Reporting Limit (mg/L)</u>
Diesel Range Organics	0.10

DRO-FID-A

29 OCT 96

Page 1

Extractable Petroleum Hydrocarbons

GC/FID

Component

Reporting Limit (mg/kg)

Diesel Range Organics

4.0

DRO-FID-S

29 OCT 96

Page 1

Halogenated Volatile Organics

8010

<u>Component</u>	<u>Reporting Limit (ug/kg)</u>
Chloromethane	500
Bromomethane	500
Vinyl chloride	100
Chloroethane	500
Methylene chloride	500
1,1-Dichloroethene	50
1,1-Dichloroethane	50
trans-1,2-Dichloroethene	50
Chloroform	50
1,1,2-Trichloro-1,2,2-trifluoroethane	100
1,2-Dichloroethane	100
1,1,1-Trichloroethane	50
Carbon tetrachloride	50
Bromodichloromethane	100
1,2-Dichloropropane	100
trans-1,3-Dichloropropene	100
Trichloroethene	50
Dibromochloromethane	100
cis-1,3-Dichloropropene	200
1,1,2-Trichloroethane	100
EDB (1,2-Dibromoethane)	200
Bromoform	500
1,1,2,2-Tetrachloroethane	100
Tetrachloroethene	50
Chlorobenzene	200

8010-S

29 OCT 96

Page 1

Oil & Grease, Gravimetric

E413.1

Component

Reporting Limit (mg/kg)

Oil and Grease

100

O&G-G-S

**IMMUNOASSAY TEST RESULTS AND MANUFACTURER'S  
INSTRUCTIONS**

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**ABB Environmental Services, Inc.**

**TABLE I-1**  
**SUMMARY OF IMMUNOASSAY TEST RESULTS**

**FORT ALLEN PHASE I SITE INSPECTION**  
**JUANA DIAZ, PUERTO RICO**

<b>SITE ID</b>	<b>FIELD SAMPLE NUMBER</b>	<b>ANALYSES</b>	<b>MANUFACTURER OF TEST KIT</b>	<b>ANALYTICAL RESULTS</b>
GP-PC-01	PPC0110X	BTEX	D-Tech	< 2.5 ppm
GP-PC-02	PPC0210X	BTEX	D-Tech	< 2.5 ppm
GP-PC-03	PPC0310X	BTEX	D-Tech	< 2.5 ppm
GP-PC-04	PPC0410X	BTEX	D-Tech	< 2.5 ppm
GP-PH-01	PPH0104X	BTEX	D-Tech	< 2.5 ppm
GP-PH-02	PPH0204X	BTEX	D-Tech	11-20 ppm
GP-PH-03	PPH0304X	BTEX	D-Tech	< 2.5 ppm
GP-PH-01	PPH0104X	PCBs	D-Tech	< 0.5 ppm
GP-PH-02	PPH0204X	PCBs	D-Tech	< 0.5 ppm
GP-PH-03	PPH0304X	PCBs	D-Tech	< 0.5 ppm
GP-PH-01	PPH0104X	DDT	ENSYS, Inc.	2)
GP-PH-02	PPH0204X	DDT	ENSYS, Inc.	2)
GP-PH-03	PPH0304X	DDT	ENSYS, Inc.	2)
GP-PH-01	PPH0104X	Chlordane	ENSYS, Inc.	< .020 ppm
GP-PH-01	PPH0104X <sup>1</sup>	Chlordane	ENSYS, Inc.	< .020 ppm
GP-PH-02	PPH0204X	Chlordane	ENSYS, Inc.	< .020 ppm
GP-PH-02	PPH0204X <sup>1</sup>	Chlordane	ENSYS, Inc.	< .020 ppm
GP-PH-03	PPH0304X	Chlordane	ENSYS, Inc.	< .020 ppm
GP-PH-03	PPH0304X <sup>1</sup>	Chlordane	ENSYS, Inc.	< .020 ppm

NOTES: 1) Duplicate analysis, run concurrently with original analysis.

2) See Section 3.2 of the Phase I Site Inspection Report for a discussion of the immunoassay DDT analyses and results.

ppm = parts per million



**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH™ BTEX Soil Extraction Pac is designed to extract BTEX from soil samples. This extract is analyzed using the D TECH BTEX Test Kit (Item #TK-1003-1).

**PRINCIPLE**

BTEX (Benzene, Toluene, Ethylbenzene, and Xylene) are considered some of the most toxic components of petroleum products. Due to their solubility in water, along with their relatively low soil adsorption coefficients, they can easily migrate into the groundwater. A major environmental concern arises from spill contamination problems, especially from UST's (underground storage tanks). The presence of these compounds in excess of state defined levels is an indication of contaminated soil. To assay these compounds, it is necessary to first extract them from the soil.

The D TECH BTEX Soil Extraction Pac uses methanol to extract BTEX for analysis. Following this step the extracted compounds in the solvent are further prepared for analysis by an aqueous dilution. This enables the sample to be analyzed with the D TECH BTEX Test Kit (Item #TK-1003-1).

**KIT DESCRIPTION**

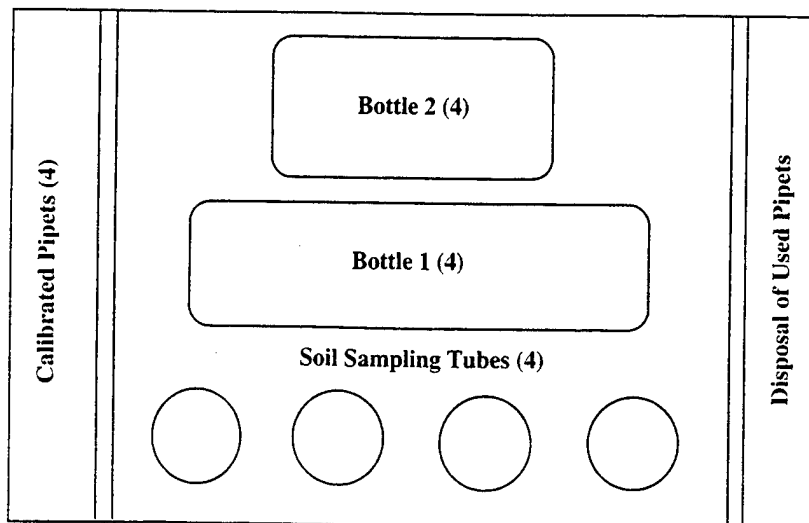
The D TECH BTEX Soil Extraction Pac contains sufficient materials to perform four (4) soil sample extractions.

**STORAGE/STABILITY**

This kit has excellent stability at room temperature and under refrigeration. For expiration dating under these conditions, see package label.

**MATERIALS PROVIDED:**

See tray diagram below. This diagram includes the D TECH BTEX Soil Extraction Pac component names and quantity of each item.

**Not Shown In Diagram**

Used Kit Label (1)

Instruction Guide (1)

Red dot labels (4)  
for used Bottle 2 components.

**HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test.

Included in this section, we have emphasized health and safety precautions that should be followed when handling these solutions.

**PROTECT EYES WITH SAFETY GLASSES  
PROTECT SKIN WITH PROTECTIVE GLOVES****BTEX Bottle 1 (51605) 100% METHANOL****Associated Hazards**

Flammable Liquid and Vapor (NO SMOKING OR OPEN FLAME).

Harmful Vapor.

May be fatal or cause blindness if swallowed.

Cannot be made non-poisonous.

Absorption through skin harmful.

May cause damage to lungs and central nervous system.

**Symptoms of Exposure**

After ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours.

Affects Central Nervous System, especially optic nerve.

Marked impairment of vision and enlargement of the liver has been reported with chronic exposure.

Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure.

Prolonged or repeated skin contact may cause irritation.

Fetal development abnormalities and effects on the embryo or fetus have been reported from prolonged exposure to methyl alcohol (methanol) in laboratory tests involving pregnant rats.

**First Aid Measures****GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

**BTEX Bottle 2 (51606) Azide in buffer****Associated Hazards**

May be irritating to skin, eyes, and mucous membranes.

**Symptoms of Exposure**

May be irritating on contact with skin, eyes, or mucous membranes.

**First Aid Measures****GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

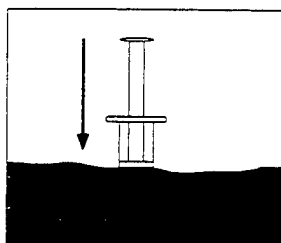
Ingestion: Get immediate medical attention; if conscious, give water freely.

This package is designed to serve as a **WORK STATION**. At the conclusion of the test, the components can be left in the package for proper disposal.

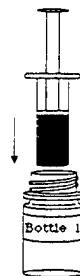
### TEST PROCEDURE

## Sampling

**Step 1:** Break up the soil so that it is a **uniform** sample. See Sample Preparation Information (page 4) for further instructions. Draw back the **Soil Sampling Tube** plunger until it stops. Push the **Soil Sampling Tube** into the soil several times with a twisting action to firmly pack and fill the tube. Remove excess soil from the external surface of the sampling tube and barrel end. **Two (2) soil plugs are required for the BTEX extraction.** It is recommended that both plugs be drawn sequentially with the same plunger.

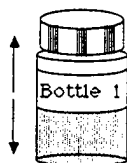


**Step 2:** Two (2) soil plugs are required for the BTEX extraction. Dispense each soil plug into **Bottle 1** by positioning the barrel into the neck of the bottle and firmly pushing the plunger. If soil lodges in the neck of the bottle, use the sampling tube to push it into the bottle. If soil adheres to the threads of the bottle neck and cap, wipe clean before placing cap on bottle. Cap bottle tightly.



## Extraction From Soil

**Step 3:** Mix the soil and liquid in **Bottle 1** by shaking vigorously for **1 minute**.



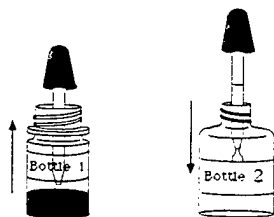
**Step 4:** Allow the soil to settle for approximately **3 minutes**. Some soils will settle more slowly than others.



## Diluting the Extraction Solution

**Step 5:** Remove the cap from **Bottle 2**.

**Step 6:** Using the 0.5 mL **Calibrated Pipet**, remove **0.5 mL** of the liquid layer from **Bottle 1** and dispense it into **Bottle 2**; mix well. Replace the cap tightly on **Bottle 1** and return to tray. Place the used pipet in the right side tray compartment.



**Step 7:** Use **Bottle 2** as sample in Step 1 under **Test Procedure** for analysis in the D TECH BTEX Test Kit (Item #TK-1003-1). If the last extraction has been performed, place the "Used Kit" label on the Soil Extraction Pac box to seal it shut.

**Helpful Hint:** Cap **Bottle 2** tightly and return to tray. Red dot labels have been provided to indicate used **Bottle 2** components.

## SAMPLE COLLECTION AND PREPARATION INFORMATION

### **COLLECTION**

Soil samples should be collected using standard BTEX site sampling protocols such as the EPA SW-846 or various state defined methods. Due to the volatility of BTEX, samples should be collected in a glass container with a Teflon™-lined screw-top lid taking care to minimize the headspace (the airspace above the sample). Exposure to high temperature, sunlight, chemical or biological degradation and open air should be avoided. All unanalyzed samples should be stored and transported on ice.

### **PREPARATION**

To achieve a more homogeneous soil distribution and to insure reproducible test results, the soil sample should be mixed thoroughly. Exposure to the open air during mixing should be minimized. Remove all debris such as sticks, stones and leaves prior to using the **D TECH Soil Sampling Tube**. Sandy soil may require a scooping action to fill the tube. Squeezing the barrel of the Soil Sampling Tube will help to expel a tightly packed sample. Extraction of BTEX is more effective if the soil plug is broken into sections during its addition to Bottle 1.

Methanol has been proven to be an efficient BTEX extractant. Due to the volatile nature of both the methanol and BTEX compounds, all bottles should be kept capped to minimize evaporation.

### VOLUME SAMPLING TECHNIQUE

The D TECH BTEX Soil Extraction Pac measures sample size using an efficient and economical volumetric technique. As with weight-based measurements, volumetric measurements of soils in field testing applications are not absolute and are subject to the influence of moisture content, organic matter content, soil type, etc. Variation in sample size can be minimized by insuring the **Soil Sampling Tube** is evenly filled. The sample size of the **D TECH Soil Sampling Tube** is 3 cubic centimeters, which is equivalent to an average of 4.5 grams of dry soil.

### QUALITY CONTROL

All D TECH Test Kits are thoroughly quality controlled and manufactured at Strategic Diagnostics Incorporated's GMP facility. All products undergo extensive validation and field testing to assure accuracy and reliability. All products are thoroughly quality controlled to meet the published specification.

#### **GENERAL LIMITED WARRANTY**

All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

**EM SCIENCE/Strategic Diagnostics Inc.**  
480 Democrat Road  
P.O. Box 70  
Gibbstown, N.J. 08027  
(800) 222-0342

**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH® BTEX (Benzene, Toluene, Ethylbenzene and Xylene) on-site and laboratory test kit is designed to provide quick, semiquantitative and reliable test results for making environmental decisions. The D TECH® BTEX test kit can be used on-site for identifying "hot spots", site mapping, monitoring of remediation processes and selecting site samples for laboratory analysis.

**PRINCIPLE**

The D TECH® system for analyzing trace amounts of BTEX utilizes immunoassay technology. This proven technique uses an antibody as an analytical reagent. Antibodies are biological molecules with the ability to specifically bind only the target compound amidst a complex sample matrix, thus eliminating the need for extensive sample cleanup. By linking the unique antibody selectivity with a sensitive non-enzymatic color indicator system, very low concentrations (ppm, ppb) of target compound can be determined. The color formed is inversely related to BTEX concentration. In this assay, the antibody recognizes the BTEX compounds as a class. See the D TECH® brochure "Immunoassay Comes To Environmental Testing" for a detailed explanation of the unique immunoassay format used.

**TEST KIT DESCRIPTION**

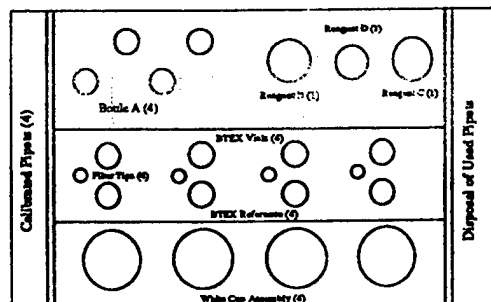
The D TECH® BTEX Test Kit, Item #TK-1008-1, contains sufficient materials to perform four (4) tests. This kit can test water samples or be used with the D TECH® BTEX Soil Extraction Pac, Item # TK-1003S-1, to test soil samples. The BTEX Soil Extraction Pac contains only the materials needed to extract BTEX from soil for semiquantitation with this D TECH® BTEX Test Kit. The results can be obtained by using the enclosed Color Card or the DTECHTOR Meter, Item # TK-1001M-1.

**STORAGE AND STABILITY**

This kit has a working temperature range from 45° to 100°F (7° to 38°C) and should be stored from 40° to 100°F (4° and 38°C). Do not freeze the kit or store it in direct sunlight. The expiration dating varies with storage temperature. The user should note the date of receipt and the storage conditions of the kit(s) directly on the kit box(es). For expiration dating under various storage conditions, see the package label.

**MATERIALS PROVIDED**

See the tray diagram below. This diagram includes the kit component names and quantity of each item.

**Not shown in diagram**

Used Kit Label (1)  
Instruction Guide (1)  
Color Card (1)  
Data Labels (4) for Cup Assembly  
Red Dot Labels (4) for identifying  
used Bottle A components

**ACCESSORIES SUPPLIED BY USER**

- Timing Device (minutes)
- the DTECHTOR Meter, Item #TK-1001M-1 (optional)

**Important:** Once the test is initiated, all steps must be executed sequentially without stopping. Please read all the Health and Safety Comments on page 7 prior to use.

**Note:** This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

**Note:** BTEX is highly volatile. For accurate results, follow appropriate sample collection, storage and handling techniques.

**Step 1:** Choose the corresponding sample type to determine Step 1.

**SOIL SAMPLE:** After completing the sample extraction using the directions in the DTECH® BTEX Soil Extraction Pac, use a clean calibrated pipet to transfer 0.5 mL of the Bottle 2 solution from the Extraction Pac to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting two (2) times. Replace the cap on Bottle 2 and set aside.

**WATER SAMPLE:** Using a clean calibrated pipet, transfer 0.5 mL of the water sample to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting two (2) times.

**Note:** The vials in the next two steps need to stand 5 minutes (+/- 30 seconds) after liquid is dispensed into them. The solutions in these vials will remain hazy.

**Step 2:** Squeeze Bottle A filling the BTEX Test Vial (gray stopper) to a level between the two lines (approximately 13-14 drops). Gently mix by shaking the vial in a back and forth motion. Immediately proceed to step 3.

**Step 3:** Squeeze the contents of Reagent C (white cap) to fill the BTEX Reference Vial (red stopper) to a level between the 2 lines. Gently mix by shaking the vial in a back and forth motion.

**Note:** Reconstitute the REFERENCE VIAL IMMEDIATELY after sample addition to the test vial. If analyzing several samples simultaneously, reconstitute a reference vial at the same time each test (sample) vial is filled.

**Step 4:** After 5 minutes (+/- 30 seconds) pour the contents of the BTEX Test Vial into the T (test) side of the cup assembly. Immediately pour the contents of the Reference Vial into the R side of the cup assembly. Allow the liquid to drain completely on both sides.

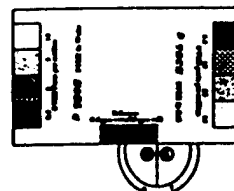
**Note:** The next two (2) steps use dropper tipped bottles. When dispensing these reagents, do not allow any dropper tip to contact any solution(s) or surface in the device. To assure uniform color development across the device, dispense the drop onto the sloped side of the well to lessen its impact. Do not allow the drop to fall into the middle of the well.

**Note:** The first time the kit is used, Reagent B must be reconstituted by filling the bottle up to the line (2.5 mL) with Reagent C (white cap). Invert three (3) times, then record the date on the bottle label. This reconstituted reagent can be used for up to one month when stored at room temperature or for up to two weeks at 37°C.

**Step 5:** Shake the reconstituted Reagent B bottle gently and open by squeezing the sides of the blue cap. Add 5 drops (+/- 1 drop) of Reagent B solution into each side of the cup assembly. Be sure to add this solution immediately to the second well after addition to the first well. Allow the liquid to drain completely.

**Step 6:** Add 5 drops (+/- 1 drop) of Reagent D solution (yellow cap) into each side of the cup assembly. Allow the wells to drain completely. Determine BTEX concentration of the sample.

**Note:** The reference R (left) side of the cup assembly functions as a procedural control. Compare the color produced in the reference well to the reference bar on the Color Card. The color of the well should approximate the color of the reference bar, indicating the test procedure was properly executed.

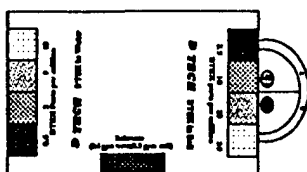


**Note:** The color in both wells is stable for approximately four (4) hours. For best results, sample concentrations should be determined within four (4) hours of the addition of Reagent D.

### DETERMINING BTEX CONCENTRATION

The results from the DTECH® BTEX Test Kit can be interpreted using either the Color Card supplied with the kit or the DTECHTOR and the table provided below. If the color of the test does not exactly match a panel of the color card, user interpretation is required.

**COLOR CARD:** Match the color on the T side of the cup assembly to the appropriate section of the Color Card, e.g., a soil sample result should be compared to the soil panel of colors.



**the DTECHTOR:** Determine the % relative reflectance using the DTECHTOR. (See the Instrument Operator's Guide for complete instructions).

Use the conversion table below to determine the concentration range of BTEX in the sample. Record the result on a Cup Assembly label and apply the label to the cup.

**the DTECHTOR Table**

Sample	the DTECHTOR Reading	BTEX Equivalents (ppm)
Soil	LO	< 2.5
	1 - 20	2.5 - 5.0
	21 - 35	5.1 - 10
	36 - 60	11 - 20
	61 - 75	21 - 35
	HI	> 35
Water	LO	< 0.6
	1 - 10	0.6 - 1.0
	11 - 35	1.1 - 2.5
	35 - 55	2.6 - 5.0
	55 - 75	5.1 - 10
	HI	> 10

### the DTECHTOR Meter Set Up

the DTECHTOR must be calibrated each time the meter is turned on. A Calibrator is provided with the meter for this purpose. The Calibrator must be clean and white to insure valid results.

*Note: To obtain best results, do not take DTECHTOR readings in direct sunlight.*

**Step 1:** Insert the Calibrator into the Meter Head and hold firmly in place. . . .

(ZERO)

**Step 2:** Press the Square Button 1 time. When calibration is complete the meter will display. . . . .

(SET)

**Step 3:** Remove the Calibrator and return it to its protective canister. The display remains. . . . .

(SET)

**Step 4:** Press the Square Button 1 time to select meter program #1 (the Program to be used for this DTECH® test kit). . . . .

(SET#1)

**Step 5:** Insert the Cup Assembly (test) into the Meter Head and firmly hold in place. . .

(TEST#1)

*Note: The #1 in the upper right corner of the display window in Steps 4 & 5 corresponds to the meter program number being used to obtain the meter reading.*

**Step 6:** Press the Square Button 1 time. . . .

(---

Obtain the meter reading. For example. . . .

(46%)

**Step 7:** Record the result, then press the Square Button 1 time while holding the Cup Assembly in place. . . . .

(---

**Step 8:** (Optional) Key in 4 digit sample ID code number. (This feature can be used for sample identification if the data is to be downloaded to a computer).

**Step 9:** Remove the Cup Assembly. . . . .

(SET#1)

**Step 10:** Insert the next Cup Assembly (test) and repeat Steps 5 - 9.

**PRECAUTIONS AND PROCEDURAL NOTES**

- The test should be run at a temperature range of 45° to 100° F (7° to 38° C).
- The kit may be stored at a temperature range of 40° to 100° F (4° to 38° C). Storage at higher temperatures may damage the reagents. Do not store the kit in direct sunlight. See the package label on the bottom of the test kit box for additional information.
- Check the expiration date on the bottom of the kit prior to use. The expiration date is dependent on the storage temperature of the kits.
- Reagents from different kits CANNOT be mixed.
- Due to the volatility of the BTEX compounds, special sample collection, handling and storage techniques are required. To minimize BTEX losses in the sample, site sampling protocols such as the EPA SW-846 or various state defined methods should be followed. Special attention should be paid to:
  - minimizing sample exposure to air.
  - eliminating headspace in the sample container by filling it to the top with sample.
  - using Teflon® lined screw cap sample containers.
  - storing samples at 35° - 45° F (2° - 8° C) until analysis.
- Although this kit has been designed to compensate for naturally occurring sample pH imbalances, intentionally acidified samples CANNOT be used with this test. Samples should be tested prior to acidification.
- SALT WATER samples (ocean, sea, etc.) require a special sample preparation step. Please contact our technical service hotline at 800-222-0342 for further information.
- Once initiated, the test should be run as quickly as possible. DO NOT STOP BETWEEN STEPS.
- The diluted sample extract and the reference reconstitution diluent (white cap) should be at approximately the same temperature before adding either to their respective test or reference vial.
- Avoid splashing any methanol from Bottle 1 when adding the soil plug. The rate at which the soil is expelled from the sampling tool can be controlled by squeezing the barrel of the sampling tool when depressing the plunger.
- The extraction is easier to perform if the soil is broken into sections during its addition to Bottle 1. This can be accomplished by expelling a portion of the soil from the sampling tool and touching it to the inside neck of the bottle. The soil will fall directly into the methanol.
- Some soils, especially clays, may require extremely rigorous shaking during extraction. If after three (3) minutes the soil plug is not uniformly dispersed, continue shaking with a rigorous top to bottom motion until the sample disperses. This may take up to five (5) minutes.
- Allow ample time for the soil to settle in Bottle 1. A clear methanol layer should form on the top of the soil. Certain clays and other soils may require up to thirty (30) minutes to cleanly separate.
- This immunoassay test uses a unique color development step that does not utilize an enzyme. By removing the enzyme from the test, temperature dependency has virtually been eliminated. Nonetheless, for best results, the test should be run between 45° and 100°F (7° and 38° C).
- The color produced by the test is stable for approximately four (4) hours. For best results, all sample concentrations should be determined within four (4) hours of the addition of Reagent D (Page 2 Step 6).
- Used kits should be disposed of in accordance with applicable federal and local regulations.
- A quality control program should be included in the sampling protocol. The type of program necessary may vary by state, compound of interest and site.



## INTERPRETATION OF THE SOIL & WATER TESTS

Sample volatility is a major consideration with BTEX analyses. Studies have shown sample concentrations can decrease within hours if proper sample collection, storage and handling procedures are not followed. For the most accurate results and subsequent site characterization, we recommend analyzing BTEX samples within twenty-four (24) hours of collection.

The D TECH® BTEX Test Kit reports results as BTEX equivalents in a soil or water sample. This kit primarily detects ethylbenzene, toluene and o-xylene and reacts well with m-xylene, p-xylene and benzene. The test has been standardized against a mixture of benzene, ethylbenzene, toluene and xylenes blended in the average ratio found in gasoline.

A positive test result may be due to the presence of BTEX, cross reactants or mixtures of these compounds. For the most accurate results, pre-characterize the site, identifying all contaminants, by analyzing a small number of representative samples using a traditional analytical method. Compare the pre-characterization results to the "Specificity" Table on page 6. If the site contamination consists primarily of a BTEX mixture, similar to a gasoline source, the test will accurately define the BTEX concentration range. If the site contains BTEX along with a compound that displays cross reactivity, the test will slightly overestimate the BTEX concentration range.

Sample volatility and heterogeneity, sampling technique, extraction efficiency and sample matrix effects all contribute to the variability in the D TECH® BTEX test. To obtain a 96% level of confidence in the results, the user must allow an interval of  $\pm 18\%$  of the indicated concentration. If you have any questions about the 96% confidence level around an action concentration, please call our technical service hotline at 1-800-222-0342 for assistance.

## RELIABILITY

Studies have shown the D TECH® BTEX Test Kit to yield less than 1% false negatives and less than 6% false positives in soils and less than 1% false negatives and less than 8% false positives in waters throughout the working range of the kit.

## SENSITIVITY

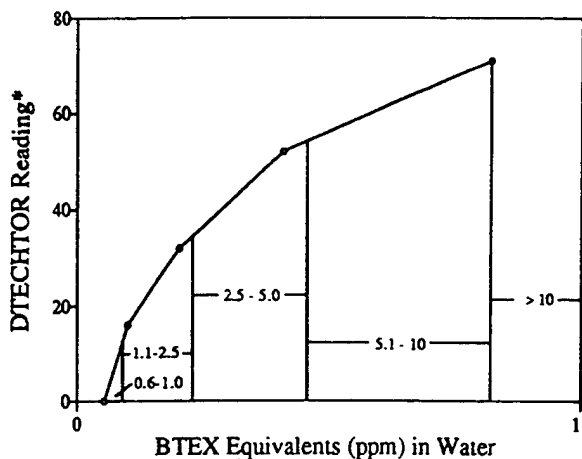
The D TECH® BTEX Test Kit can be used to measure BTEX in the following ranges:

Sample	the DTECHTOR	Color Card
Soil (ppm)	2.5 - 35	2.5 - 35
Water (ppm)	0.6 - 10	0.6 - 10

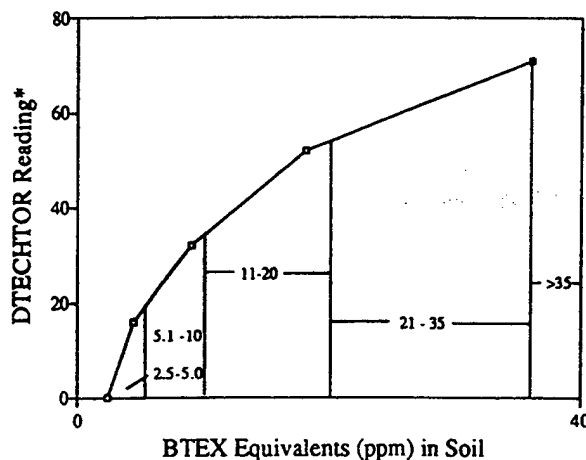
The Minimum Detection Limit (MDL) of the BTEX test is 2.5 ppm in soil and 0.6 ppm in water. A 96% confidence level occurs at 3.0 ppm in soil and 0.9 ppm in water

## BTEX STANDARD CURVES

D TECH BTEX Test Kit  
Water Standard Curve



D TECH BTEX Test Kit  
Soil Standard Curve



\*Percent Reflectance Relative to Reference

**PERFORMANCE CHARACTERISTICS****SPECIFICITY**

The D TECH® BTEX Test Kit has been tested for cross reactivity with structurally similar compounds and other priority pollutants. The table below summarizes the cross reactivity of these compounds using the DTECHTOR. A positive test result may be due to the presence of BTEX, cross reactants or mixtures of these compounds. Samples testing positive for BTEX should be further characterized by approved methods. The D TECH® BTEX Test Kit has been designed to minimize the effect of environmental interferences.

Compound	MDL <sup>a</sup> (ppm)	Cross <sup>b</sup> reactivity
BTEX	0.6	100
ethylbenzene	0.6	100
toluene	0.6	100
o-xylene	0.6	100
m-xylene	1.4	48
p-xylene	1.3	45
benzene	1.2	39
chlorobenzene	5	32
naphthalene	11	14
benzo (a) pyrene	6	11
1,2-dichlorobenzene	5	9
o-cresol	5	7
chrysene	6	6
nitrobenzene	5	2
4-ethyltoluene	5	2
isooctane	72	<1
2-nitrophenol	c	<1
1,3-dichloropropene	c	<1
2,4-dinitrotoluene	c	<1
benzoic acid	c	<1
hexane	c	<1
pentachlorophenol	c	<1
methylcyclohexane	c	<1
16 PAH	c (total)	<1

- <sup>a</sup> The Minimum Detection Limit (MDL) is defined as the lowest concentration of compound that yields a positive test result.
- <sup>b</sup> The % cross-reactivity is determined by dividing the equivalent BTEX concentration by the actual compound concentration at IC<sub>50</sub> (the concentration at 50% inhibition).
- <sup>c</sup> Could not be detected by the D TECH® test at 500 ppm.

**INTERFERING SUBSTANCES**

The D TECH® BTEX Test Kit has been tested for results interference by other priority pollutants. A negative interference (none) indicates the target compound spiked into a BTEX sample at a concentration of 500 ppm, did not affect the BTEX result. The table below summarizes the data.

Compound	% Cross reactivity	Interference
Aroclor 1254	<1	none
16 PAH	<1	none
PCP	<1	none
Transformer Oil	<1	none

**TIME-TEMPERATURE RELATIONSHIP**

The D TECH® BTEX test uses an unique non-enzyme color development procedure. By eliminating the use of the enzyme in this test, the temperature dependency, characteristic of enzyme immunoassays, has been minimized. The incubation time is the same throughout the working temperature range of the kit. Reliable BTEX results are obtained when testing occurs in the temperature range of 45° to 100° F (7° to 38° C).

**TEST VARIATION**

The BTEX Test Coefficient of Variation (CV), also known as the Relative Standard Deviation (RSD), has been evaluated at various concentrations. The data indicate the average test RSD, based on concentration, is 9 %.

**TESTING HIGHER BTEX CONCENTRATIONS**

For further information, please call our technical service hotline 1-800-222-0342

**REFERENCES**

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods. SW-846; 3rd Edition #1; U. S. Environmental Protection Agency: Washington D.C., 1992.

**QUALITY CONTROL**

1. Read the test instructions completely before use to assure familiarity with the test procedure.
2. Read the BTEX site sampling protocol prior to sampling to assure familiarity and compliance with the procedure.
3. Monitor the storage conditions of the tests. Expiration dates are dependent on storage temperature.
4. To insure test reproducibility, investigators should confirm that all samples analyzed are homogeneous and representative of the site of interest.
5. A reference must be run with each test. The reference serves as a positive control to ensure the performance of the test and to verify proper test execution.
6. Prior to analysis, the user should incorporate a quality assurance and quality control plan into the field testing procedure. We recommend adherence to USEPA data quality guidelines and suggest including the following steps in your QA/QC plan:
  - a. Record the operator's name, the date, time of collection and location of each sample.
  - b. Record any raw data, calculations and final results for each sample.
  - c. Document matrix and background effects by testing an uncontaminated sample taken on site.
  - d. Run a duplicate analysis on one of every 20 samples.
  - e. Confirm field sample analyses by submitting at least 10% of the samples for quantitation by an EPA approved method that is different from the field method. Representative samples should include 3 samples above and 2 samples below the minimum detection limit of the field assay.
7. Additional options:
  - a. Use performance evaluation standards daily for assay validation.
  - b. Document the method blank by completing the assay without introducing sample.
  - c. Perform a field analysis on a matrix spike to document any matrix effect on the analyte measured.

**HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test. During the execution of the test, any excess BTEX is absorbed into the Cup Assembly absorbent plug. It is not retained on the surface of the Cup Assembly.

**PROTECT EYES WITH SAFETY GLASSES AND PROTECT SKIN WITH PROTECTIVE GLOVES.**

**Associated Hazards:** May be irritating to skin, eyes and mucous membranes.

**Symptoms of Exposure:** May be irritating on contact with skin, eyes and mucous membranes.

**First Aid Measures:** GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

**Skin:** Wash thoroughly with soap and water

**Eyes:** Immediately flush with water for at least 15 minutes.

**Inhalation:** Remove to fresh air. Give artificial respiration if breathing has stopped.

**Ingestion:** Get immediate medical attention. If conscious, give water freely.

The D TECH® Field Test Products available from EM Science include:

<u>D TECH Product</u>	<u>Item Number</u>
TNT Test Kit	TK-1004-1
RDX Test Kit	TK-1005-1
TNT/RDX Soil Extraction Pac	TK-1001S-1
PCB in Soil Test Kit	TK-1002-1
PCB Wipe Test Kit	TK-1002W-1
"NEW" BTEX Test Kit (Dual Latex Particle Format)	TK-1008-1
BTEX Soil Extraction Pac	TK-1003S-1
PAH Test Kit	TK-1006-1
PAH Soil Extraction Pac	TK-1006S-1
TCE Test Kit (Available June 1995)	TK-1007-1
TCE Soil Extraction Pac (Available June 1995)	TK-1007S-1
PCP Test Kit (Available September 1995)	TK-1009-1
PCP Soil Extraction Pac (Available September 1995)	TK-1009S-1
<u>ACCESSORIES</u>	
DTECHTOR Meter	TK-1001M-1
Field Carry Bag	TK-1000-1

All D TECH® Test Kits are manufactured at Strategic Diagnostics Incorporated's GMP facility. All products are thoroughly quality controlled to consistently meet the published specifications.

**GENERAL LIMITED WARRANTY**  
All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

**EM SCIENCE/Strategic Diagnostics Inc.**  
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P/N 50267  
Rev 3/95

## Determining TPH Concentration for Various Fuels

### the DTECHTOR

Determine the % relative reflectance using the DTECHTOR meter.

Use the conversion table below to determine the concentration range of TPH for the appropriate fuel.

	DTECHTOR Meter Reading				
	LO	0% - 25%	25% - 50%	50% - 75%	HI
Gasoline	<80 ppm	80-250 ppm	250-700 ppm	700-3000 ppm	>3000 ppm
Diesel	<40 ppm	40-750 ppm	750-2500 ppm	2500-5000 ppm	>5000 ppm
Kerosene	<60 ppm	60-700 ppm	700-2500 ppm	2500-9000 ppm	>9000 ppm
JP-4	<80 ppm	80-250 ppm	250-600 ppm	600-2000 ppm	>2000 ppm
JP-5	<100 ppm	100-700 ppm	700-2000 ppm	2000-9000 ppm	>9000 ppm
Jet A	<25 ppm	25-250 ppm	250-800 ppm	800-2000 ppm	>2000 ppm

OR

### COLOR CARD

Match the color on the T side of the cup assembly to the BTEX Color Card.

Use the conversion table below to determine the TPH concentration for the appropriate fuel.

	Value from BTEX Color Card (ppm in soil)			
	2.5	10	20	35
Gasoline	80 ppm	350 ppm	1100 ppm	3000 ppm
Diesel	40 ppm	1100 ppm	3500 ppm	5000 ppm
Kerosene	60 ppm	1000 ppm	4000 ppm	9000 ppm
JP-4	80 ppm	350 ppm	850 ppm	2000 ppm
JP-5	100 ppm	1100 ppm	3500 ppm	5000 ppm
Jet A	25 ppm	450 ppm	1200 ppm	2000 ppm

Weathering effects, fuel manufacturer, and soil type may effect the reactivity profile of each fuel contaminant.

Questions regarding D TECH kit sensitivities or crossreactivities to petroleum fuels or other contaminants should be directed to your local D TECH technical sales representative, EM Science technical service, or the product manager.

Please call our technical service hotline 1-800-222-0342.

## **TPH Correlation of the BTEX Test Kit**

### **USING THE BTEX TEST KIT TO TEST FOR TPH CONTAMINATION IN SOIL**

The D TECH BTEX Test Kit can be used to test for TPH Contamination in Soil. The test kit can be used to detect gasoline, diesel, kerosene, and aviation fuels. Knowledge of the contaminating fuel type is necessary to obtain the highest level of accuracy for semi-quantitative testing.

### **SENSITIVITY**

<b>FUEL TYPE</b>	<b>MDL (Minimum Detection Level)</b>
<b>Gasoline</b>	80 ppm
<b>Diesel</b>	40 ppm
<b>Kerosene</b>	60 ppm
<b>JP-4</b>	80 ppm
<b>JP-5</b>	100 ppm
<b>Jet A</b>	25 ppm

### **PRINCIPLE**

The D TECH BTEX Test Kit detects a subset of the chemical components (primarily aromatic) in the petroleum fuels listed above. The composition of the fuel type will determine the reactivity profile, and the MDL (minimum detection level), for that petroleum product. All chemical components detectable by the test in a single sample are summed as one result.

### **TEST PROCEDURES**

Perform the D TECH BTEX Test utilizing the BTEX Soil Extraction Pac (TK-1003S) and BTEX Test Kit (TK-1008) as outlined in their respective instruction guides. At the conclusion of the test, use the DTECHTOR Meter (TK-1001M/1) or Color Card and the corresponding tables on next page for result interpretation.

**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH™ PCB Soil Extraction Pac is designed to extract PCB from soil samples. This extract is analyzed using the D TECH PCB Test Kit (Item #TK-1002-1).

**PRINCIPLE**

Polychlorinated biphenyls (PCB) are compounds commonly found in capacitors, transformers and other systems. The natural gas transmission and distribution industry commonly faces PCB spill contamination problems. PCB contamination has also been recognized as one of the concerns prompting remedial actions at an estimated 20% or more of all National Priority List (NPL) Superfund sites. The presence of these compounds above defined levels is an indication of PCB contaminated soil.

The D TECH PCB Soil Extraction Pac uses an organic solvent to extract the compounds for analysis. Following this step the extracted compounds in the solvent are further prepared for analysis by an aqueous dilution. This enables the sample to be tested with the D TECH™ PCB Test Kit (Item #TK-1002-1).

**KIT DESCRIPTION**

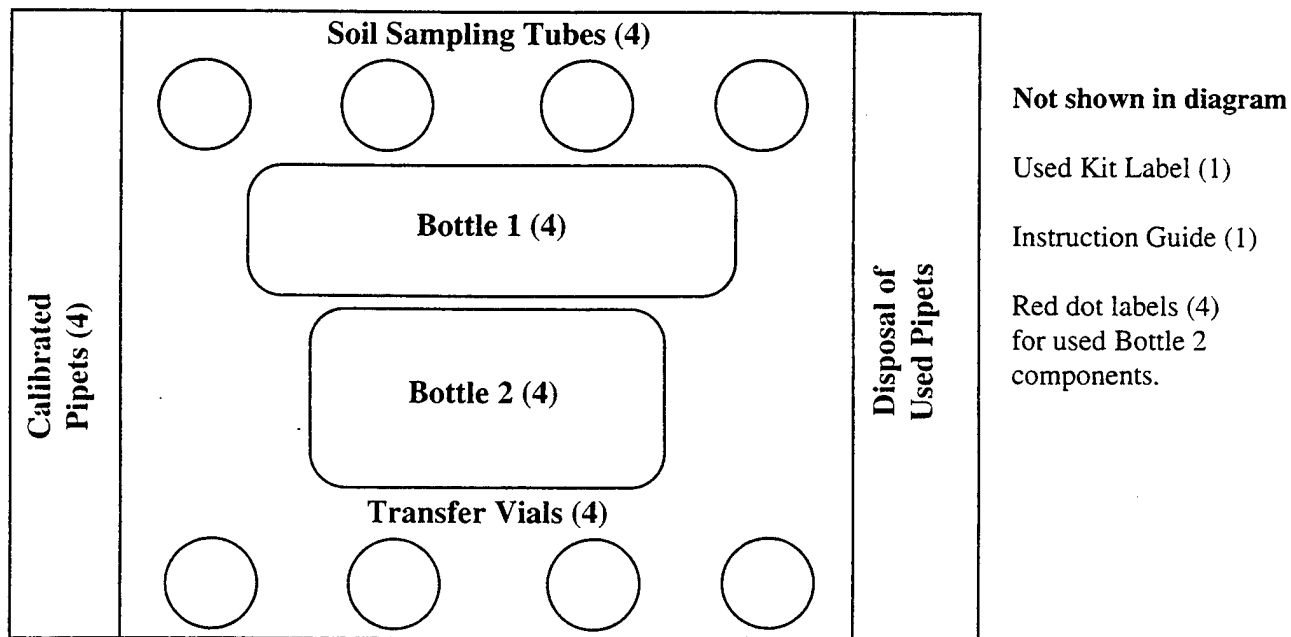
The D TECH PCB Soil Extraction Pac contains sufficient materials to perform four (4) soil sample extractions.

**STORAGE/STABILITY**

This kit has excellent stability at room temperature and under refrigeration. For expiration dating under these conditions, see package label.

**MATERIALS PROVIDED**

See tray diagram below. This diagram includes the D TECH PCB Soil Extraction Pac component names and quantity of each item.



## **HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test.

Included in this section, we have emphasized health and safety precautions that should be followed when handling these solutions.

### **PROTECT EYES WITH SAFETY GLASSES PROTECT SKIN WITH PROTECTIVE GLOVES**

#### **PCB Bottle 1 (50674) 100% METHANOL**

##### **Associated Hazards**

Flammable Liquid and Vapor (NO SMOKING OR OPEN FLAME).

Vapor Harmful.

May be fatal or cause blindness if swallowed.

Cannot be made non-poisonous.

Absorption through skin harmful.

May cause damage to lungs and central nervous system.

##### **Symptoms of Exposure**

After ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours.

Affects Central Nervous System, especially optic nerve.

Marked impairment of vision and enlargement of the liver has been reported with chronic exposure.

Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure.

Ingestion can produce blindness (100 ml can be fatal).

Prolonged or repeated skin contact may cause irritation.

Fetal development abnormalities and effects on embryo or fetus have been reported from prolonged exposure to methyl alcohol in laboratory tests involving pregnant rats.

##### **First Aid Measures**

##### **GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

#### **PCB Bottle 2 (50669) Diatomaceous Earth**

##### **Associated Hazards**

May be irritating to skin, eyes and mucous membrane.

Prolonged or repeated inhalation may cause damage to respiratory system.

##### **Symptoms of Exposure**

May be irritating to eyes on contact.

Prolonged or repeated inhalation of dust may cause damage to respiratory system.

Prolonged skin contact may cause irritation.

##### **First Aid Measures**

##### **GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention; if conscious, give water freely.

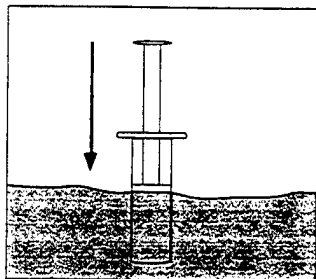


This package is designed to serve as a **WORK STATION**. At the conclusion of the test, the components can be left in the package for proper disposal.

### TEST PROCEDURE

## Sampling

**Step 1:** Break up the soil so that it is a **uniform** sample. See Sample Preparation Information (page 4) for further instructions. Draw back the **Soil Sampling Tube** plunger until it stops. Push the **Soil Sampling Tube** into the soil several times with a twisting action to firmly pack and fill the tube. Remove excess soil from external surface of the sampling tube and barrel end.

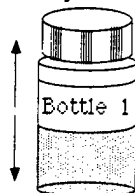


**Step 2:** Dispense the soil into **Bottle 1** by positioning the barrel into the neck of the bottle and firmly pushing the plunger. If soil lodges in the neck of the bottle, use the sampling tube to push it into the bottle. If soil adheres to the threads of the bottle neck and cap, wipe clean before placing cap on bottle. Cap bottle tightly.



## Extraction From Soil

**Step 3:** Mix the soil and liquid in **Bottle 1** by **shaking** continuously over a **3 minute** period.



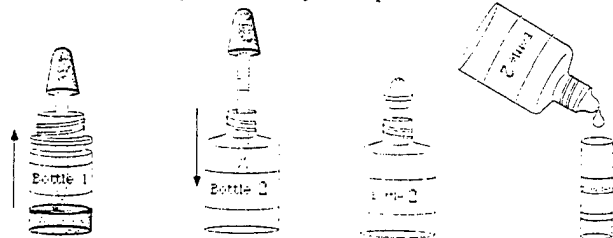
**Step 4:** Allow the soil to settle for approximately **1 minute**. Some soils will settle more slowly than others.



## Diluting the Extraction Solution

**Step 5:** Remove cap from **Bottle 2**.

**Step 6:** Using the 2 ml **Calibrated Pipet**, remove **2 ml** of the liquid layer from **Bottle 1** and dispense it into **Bottle 2**; mix well. Replace cap tightly on **Bottle 1** and return to tray. Place used pipet in right side tray compartment.



**Step 7:** Snap the filter tip onto the neck of **Bottle 2**. Squeeze **Bottle 2** to deliver the filtered solution into the **Transfer Vial**. Use the Transfer Vial solution in Step 1 under **Test Procedure** for analysis in the D TECH PCB Test Kit (Item #TK-1002-1). If the last extraction has been performed, place the "Used Kit" label on the Soil Extraction Pac box to seal it.

**Helpful Hint:** Return **Bottle 2** to tray. Red dot labels have been provided to indicate used **Bottle 2** components.

## SAMPLE PREPARATION INFORMATION

To achieve a more homogeneous distribution and to insure reproducible test results, the soil sample should be mixed thoroughly. Remove all debris, such as sticks, stones and leaves, prior to using the **D TECH Soil Sampling Tube**. Sandy soil may require a scooping action to fill the tube. Squeezing the barrel of the Soil Sampling Tube will help to expel a tightly packed sample. Extraction of PCB is more effective if the soil plug is broken into sections during addition to Bottle 1.

Methanol has been proven to be an efficient PCB extractant. Methanol bottles should be kept capped to minimize evaporation.

## VOLUME SAMPLING TECHNIQUE

The D TECH PCB Soil Extraction Pac measures sample size using an efficient and economical volumetric technique. As with weight-based measurements, volumetric measurements of soils in field testing applications are not absolute and are subject to the influence of moisture content, organic matter content, soil type, etc. Variation in sample size can be minimized by insuring the **Soil Sampling Tube** is evenly filled. The sample size of the **D TECH Soil Sampling Tube** is 3 cubic centimeters, which is equivalent to an average of 4.5 grams of dry soil.

## QUALITY CONTROL

All D TECH Test Kits are thoroughly quality controlled and manufactured at Strategic Diagnostics Incorporated's GMP facility. All products undergo extensive validation and field testing to assure accuracy and reliability. All products are thoroughly quality controlled to meet the published specifications.

### **GENERAL LIMITED WARRANTY**

All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

EM SCIENCE/Strategic Diagnostics Inc.  
480 Democrat Road  
P.O. Box 70  
Gibbstown, N.J. 08027  
(800) 222-0342

**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH® PCB on-site and laboratory test kit is designed to provide quick, semiquantitative and reliable test results for making environmental decisions. The D TECH PCB Soil and Wipe Test Kits can be used on-site for identifying "hot spots", site mapping, monitoring of remediation processes and selecting site samples for laboratory analysis. In the laboratory, the D TECH PCB Test Kit can screen for highly contaminated samples that require pre-dilution prior to instrumental analysis. The D TECH PCB Wipe Test can be used to determine the effectiveness of a PCB clean up effort. The D TECH PCB Test Kit has a working range of 0.5 to 25 ppm for soil samples and a 10 to 250 µg per 100 cm<sup>2</sup> for wipe samples. This test specifically detects Aroclors 1254, 1260 and 1262 equally, reacts well with Aroclors 1242, 1248 and 1268, moderately with Aroclors 1232 and 1016 and shows little reactivity to Aroclor 1221. The table on page 6 lists the amount of an Aroclor that is required to yield a positive test result.

**PRINCIPLE**

The D TECH® system for analyzing a trace amount of PCB utilizes immunoassay technology. This proven technique uses an antibody as an analytical reagent. Antibodies are biological molecules with the ability to specifically bind only the target compound amidst a complex sample matrix, thus eliminating the need for extensive sample cleanup. By linking the antibody selectivity with a sensitive color indicator system, very low concentrations (ppm) of target compound can be determined. The color formed is inversely related to PCB concentration. In this test, the antibody recognizes all PCBs as a class. See the D TECH brochure "Immunoassay Comes to Environmental Testing" for a detailed explanation of the unique immunoassay format used.

**TEST KIT DESCRIPTION**

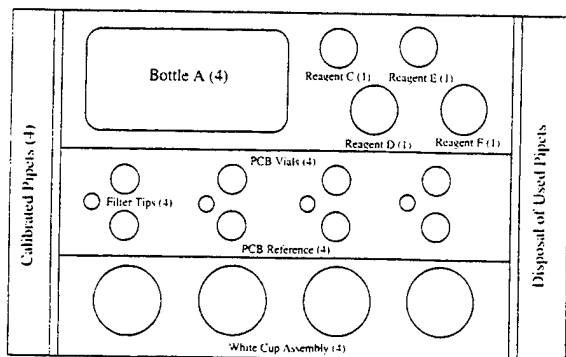
The D TECH PCB Soil Test Kit, Item #TK-1002-1, contains sufficient materials to perform four soil tests. All the materials needed to extract PCB from soils for semiquantitation are included. The D TECH PCB Wipe Test Kit, Item #TK-1002W-1, contains sufficient materials to perform four wipe tests. All the materials needed to extract PCB from surfaces for semiquantitation are included. Soil and wipe test results can be obtained by using the enclosed Color Card or the optional DTECHTOR Meter, Item #TK-1001M-1.

**STORAGE AND STABILITY**

This kit has a working temperature range from 45° to 100°F (7° to 38°C). For optimal stability, the kit should be stored from 40° to 100°F (4° and 38°C). Do not freeze the kit or store it in direct sunlight. The expiration dating varies with storage temperature. For expiration dating under various storage conditions, see the package label.

**MATERIALS PROVIDED**

See the tray diagram below. This diagram includes the kit component names and quantity of each item.

**Not shown in diagram**

Used Kit Label (1)  
Instruction Guide (1)  
Color Card (1)  
Data Labels (4) for Cup Assembly  
Red Dot Labels (4) for identifying  
used Bottle A components

**ACCESSORIES SUPPLIED BY USER**

- Timing Device (minutes)
- the DTECHTOR Meter, Item #TK-1001M-1 (optional)

**Important:** Once the test is initiated, all steps must be executed sequentially without stopping. Please read all the Health and Safety Comments on page 7 prior to use.

*Note:* This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

**Step 1:** After completing the sample extraction using the directions in the Extraction Pac, choose the corresponding sample type to determine Step 1.

**SOIL SAMPLE:** Using a clean calibrated pipet, transfer 0.5 mL of the **Bottle 2** solution (soil extract) from the D TECH PCB Soil Extraction Pac to **Bottle A**. Snap a filter tip on **Bottle A** and gently mix by inverting three (3) times. Replace the cap on **Bottle 2** and set aside.

**WIPE SAMPLE:** Using a clean calibrated pipet, transfer 0.5 mL of the **Bottle 1** solution (wipe extract) from the D TECH PCB Wipe Extraction Pac to **Bottle A**. Snap a filter tip on **Bottle A** and gently mix by inverting three (3) times.

*Note:* The vials in the next two steps need to stand 5 minutes (+/- 30 seconds) after liquid is dispensed into them. The solutions in these vials will remain hazy.

**Step 2:** Squeeze **Bottle A** filling the **PCB Test Vial** (gray stopper) to a level between the two lines (approximately 13-14 drops). Gently mix by shaking the vial in a back and forth motion. Immediately proceed to step 3.

**Step 3:** Squeeze the contents of **Reagent C** (white cap) to fill the **PCB Reference Vial** (red stopper) to a level between the 2 lines. Gently mix by shaking the vial in a back and forth motion.

*Note:* Reconstitute the **REFERENCE VIAL IMMEDIATELY** after sample addition to the test vial. If analyzing several samples simultaneously, reconstitute a reference vial at the same time each test (sample) vial is filled.

**Step 4:** After 5 minutes (+/- 30 seconds) pour the contents of the **PCB Test Vial** into the **T** (test) side of the cup assembly. Immediately pour the contents of the **Reference Vial** into the **R** side of the cup assembly. Allow the liquid to drain completely on both sides.

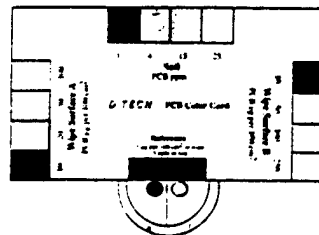
*Note:* The next four (4) steps use dropper tipped bottles. When dispensing these reagents, do not allow any dropper tip to contact any solution(s) or surface in the device. To assure uniform color development across the device, dispense the drop onto the sloped side of the well to lessen its impact. Do not allow the drop to fall into the middle of the well.

**Step 5:** Add 10 drops (+/- 2 drops) of **Reagent D** solution (yellow cap) into each side of the cup assembly. Allow the liquid to drain completely.

**Step 6:** Add 5 drops (+/- 1 drop) of **Reagent E** solution (blue cap) into each side of the cup assembly. Be sure to add this solution immediately to the second well after addition to the first well. Allow the wells to drain completely.

**Step 7:** Compare the color of the **R** (left) side of the cup assembly to the reference bar of the **Color Card**. When the color of the **R** Side matches the reference bar, the color development process should be stopped. Proceed to Step 8.

*Note:* Color development time is temperature dependent and takes approximately 10 minutes at 75°F. More time is required at lower temperatures and less time is required at higher temperatures. For example, this reaction may take 7 minutes at 85°F or it may take 20 minutes at 60°F.



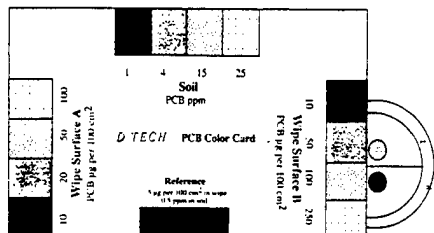
**Step 8:** Add 8 drops (+/- 2 drops) of **Reagent F** solution (red cap) into each side of the cup assembly to stop color development. Allow to drain completely. Now determine the PCB concentration of the sample.

*Note:* The color in both wells is stable for approximately four (4) hours. For best results, sample concentrations should be determined within four (4) hours of the addition of **Reagent F**.

### DETERMINING PCB CONCENTRATION

The results from the D TECH PCB Test Kit can be interpreted using either the **Color Card** supplied with the kit or *the DTECHTOR* and the table provided below. If the color of the test does not exactly match a panel of the color card, user interpretation is required

**COLOR CARD:** Match the color on the **T** side of the cup assembly to the **appropriate section of the Color Card**, e.g., a soil sample result should be compared to the soil panel of colors.



*the DTECHTOR*: Determine the % relative reflectance using *the DTECHTOR*. (see the Instrument Operator's Guide for complete instructions).

Use the conversion table below to determine the concentration range of total PCB in the sample. (See "Interpretation of the Soil and Wipe Tests" on page 5 to determine if wipe results should be determined from surface A or B.) Record the result on a **Cup Assembly** label and apply the label to the cup.

*the DTECHTOR* Table

Sample Type	<i>the DTECHTOR</i> Reading	PCB Equivalents
<u>ug per 100 cm<sup>2</sup></u>		
Wipe Surface A	LO - < 10	< 10
	10 - 29	10 - 19
	30 - 54	20 - 49
	55 - 70	50 - 100
	>70 - HI	> 100
<u>ug per 100 cm<sup>2</sup></u>		
Wipe Surface B	LO - < 20	< 10
	20 - 34	10 - 49
	35 - 49	50 - 99
	50 - 65	100 - 250
	> 65 - HI	> 250
<u>ppm</u>		
Soil	LO - <10	< 0.5
	10 - 20	0.5 - 1.0
	21 - 40	1.1 - 4.0
	41 - 60	4.1 - 15
	61 - 70	16 - 25
	> 70 - HI	> 25

### *the DTECHTOR* Meter Set Up

*the DTECHTOR* must be calibrated each time the meter is turned on. Calibrators are provided with the meter for this purpose. The **Calibrator** must be clean and white to insure valid results.

*Note: To obtain the best results, do not take DTECHTOR readings in direct sunlight.*

**Step 1:** Insert the **Calibrator** into the **Meter Head** and hold firmly in place.

(ZERO)

**Step 2:** Press the Square Button 1 time. When calibration is complete the meter will display.....

(SET)

**Step 3:** Remove the **Calibrator** and return it to its protective cannister. The display remains.....

(SET)

**Step 4:** Press the Square Button 2 times to select meter program #2 (the Program to be used for this D TECH test kit).

(SET#2)

**Step 5:** Insert the **Cup Assembly** (test) into the **Meter Head** and firmly hold in place.

(TEST#2)

*Note: The #2 in the upper right corner of the display window in Steps 4 & 5 corresponds to the meter program number being used to obtain the meter reading.*

**Step 6:** Press the Square Button 1 time.

(----

Obtain the meter reading. For example ....

(46%)

*Note: If the meter displays "WAIT", remove the Cup Assembly. Allow the reference color to develop further and try again.*

**Step 7:** Record the result, then press the Square Button 1 time while holding the **Cup Assembly** in place.

(----

**Step 8:** (Optional) Key in 4 digit sample ID code number. (This feature can be used for sample identification if the data is to be downloaded to a computer.)

**Step 9:** Remove the **Cup Assembly**.

(SET#2)

**Step 10:** Insert the next **Cup Assembly** (test) and repeat Steps 5 - 9.

**PRECAUTIONS AND PROCEDURAL NOTES**

- The test should be run at a temperature range of 45° to 100° F (7° to 38°C).
- The kit may be stored at a temperature range of 40° to 100°F (4° to 38°C). Storage at higher temperatures may irreversibly damage the reagents. Do not store the kit in direct sunlight. See the package label on the bottom of the test kit box for additional information
- Check the expiration date on the bottom of the kit prior to use. The expiration date is dependent on the storage temperature of the kits.
- Reagents from different kits CANNOT be mixed.
- Once initiated, the test should be run as quickly as possible. DO NOT STOP BETWEEN STEPS.
- The diluted sample extract and the reference reconstitution diluent (white cap) should be at approximately the same temperature before adding either to their respective test or reference vial.
- Avoid splashing any methanol from Bottle 1 when adding the soil plug. The rate at which the soil is expelled from the sampling tool can be controlled by squeezing the barrel of the sampling tool when depressing the plunger.
- The extraction is easier to perform if the soil is broken into sections during its addition to Bottle 1. This can be accomplished by expelling a portion of the soil from the sampling tool and touching it to the inside neck of the bottle. The soil will fall directly into the methanol.
- Some soils, especially clays, may require extremely rigorous shaking during extraction. If after three (3) minutes the soil plug is not uniformly dispersed, continue shaking with a rigorous top to bottom motion until the sample disperses. This may take up to five (5) minutes.
- Allow ample time for the soil to settle in Bottle 1. A clear methanol layer should form on the top of the soil. Certain clays and other soils may require up to thirty (30) minutes to cleanly separate.
- This test is temperature dependent. The reference serves as an incubation time indicator. DO NOT stop the test (Page 2 Step 8) until the color intensity produced in the reference well matches the reference color spot on the PCB color card. At 75°F, this reaction will take approximately ten (10) minutes. The warmer the temperature, the quicker the development occurs. For example, at 85°F this reaction may take seven (7) minutes and at 60°F this reaction may take twenty (20) minutes. For additional information, please see the "Time-Temperature Relationship" section on Page 6.
- The color produced by the test is stable for approximately four (4) hours. For best results, all sample concentrations should be determined within four (4) hours of the addition of Reagent F (Page 2 Step 8).
- This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.
- Used kits should be disposed of in accordance with applicable federal and local regulations.
- A quality control program should be included in the sampling protocol. The type of program necessary may vary by state, compound of interest and site.
- Oil contamination exceeding 0.2% (2000 ppm) in a sample may interfere with the D TECH PCB test. This interference may yield a PCB concentration range that is lower than the actual PCB concentration contained in the sample. If a sample extract is discolored (usually yellow or brown), oil contamination should be suspected and the user should verify the result by an instrument method.

### INTERPRETATION OF THE SOIL & WIPE TESTS

The D TECH PCB Test Kit reports results of total PCB in a soil or wipe sample. This kit primarily detects Aroclors 1254, 1260 and 1262, reacts well with Aroclors 1242, 1248 and 1268, reacts moderately with Aroclors 1232 and 1016 and shows little reactivity with Aroclor 1221.

A positive test result may be due to the presence of PCBs, cross reactants or mixtures of these compounds. For best results, pre-characterize the site by analyzing a small number of representative samples using a traditional analytical method. Compare the pre-characterization results to the "Specificity" Table on page 6. If the PCB contamination consists primarily of PCBs with low reactivity, then the test will slightly underestimate the PCB concentrations. If the PCB contamination consist primarily of PCBs with high reactivity, the test will accurately define the PCB concentrations.

PCBs are extracted from different surfaces at different efficiencies. To evaluate the contamination level on a surface more accurately, the D TECH PCB Wipe Test has been designed to accommodate 2 general surface types. The "**Surface A**" column on the color card and DTECHTOR table is to be used when interpreting test results from non-porous surfaces such as smooth metal or glazed tile like surfaces. When testing painted surfaces, rusted metals or concrete like surfaces use the "**Surface B**" column to interpret your test results.

Sample heterogeneity, sampling technique, extraction efficiency and soil/wipe matrix effects all contribute to the variability in the D TECH PCB test. To obtain a 96% level of confidence in the results, the user must allow an interval of +/-20% of the indicated concentration. If you have any questions about the 96% confidence level around an action concentration, please call our technical service hotline at 1-800-222-0342 for assistance.

### RELIABILITY

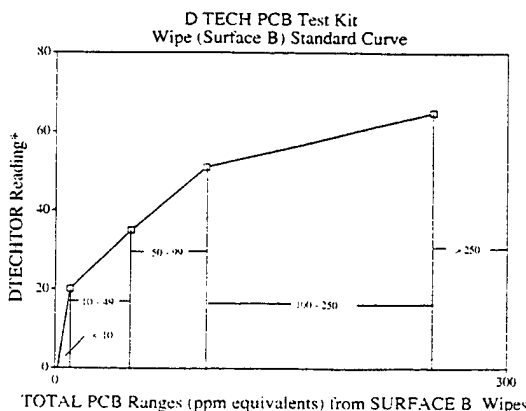
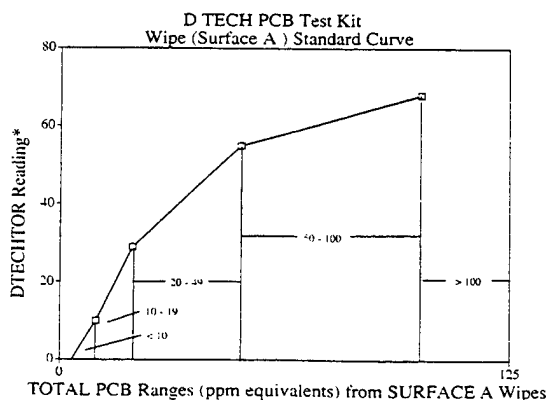
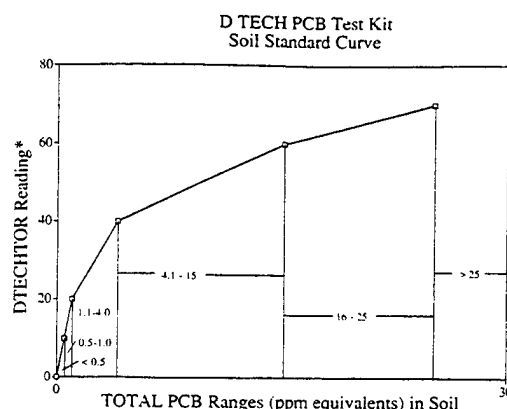
Studies have shown the D TECH PCB Test Kit to yield less than 1% false negatives and less than 10 % false positives in soils and less than 1 % false negatives and less than 8 % false positives in wipes throughout the working range of the kit.

### SENSITIVITY:

The D TECH PCB Test Kit can be used to measure PCB in the following ranges:

Sample	the DTECHTOR	Color Card
Soil (ppm)	0.5 - 25	1 - 25
Wipe ( $\mu\text{g}$ per 100 $\text{cm}^2$ )	10 - 250	10 - 250

The Minimum Detection Limit (MDL) of the PCB test is 0.5 ppm in soil and 10  $\mu\text{g}$  per 100  $\text{cm}^2$  in a wipe. A 96% confidence level occurs at 1.0 ppm in soil, 15  $\mu\text{g}$  per 100  $\text{cm}^2$  in Surface A wipes and Surface B wipes.



\*Percent Reflectance Relative to Reference

## PERFORMANCE CHARACTERISTICS

### SPECIFICITY

The D TECH PCB Test Kit has been tested for cross reactivity with structurally similar compounds and other priority pollutants. The table below summarizes the cross reactivity of these compounds using the DTECHTOR. A positive test result may be due to the presence of PCB, cross reactants or mixtures of these compounds. Samples testing positive for PCB should be characterized by approved methods. The D TECH PCB Test Kit has been designed to minimize the effect of environmental interferences.

Compound	MDL <sup>a</sup> Soil	MDL <sup>a</sup> Surf A	MDL <sup>a</sup> Surf B	% Cross <sup>b</sup> reactivity
Aroclor 1016	5.7	102	51	12
Aroclor 1221	25	450	225	3
Aroclor 1232	9.0	164	82	10
Aroclor 1242	1.5	27	14	32
Aroclor 1248	0.8	14	7.2	42
Aroclor 1254	0.5	9	4.5	100
Aroclor 1260	0.5	9	4.5	100
Aroclor 1262	0.5	9	4.5	100
Aroclor 1268	3.8	69	34	25
Bifenox	25	452	224	3
Halowax 1000	1000	18100	8950	< 1
Halowax 1099	250	4525	2230	< 1
1-chloroanthracene	c	c	c	< 0.05
2-chloroanthracene	c	c	c	< 0.05
9-chloroanthracene	c	c	c	< 0.05
1-chloronaphthalene	c	c	c	< 0.05
9,10-dichloroanthracene	c	c	c	< 0.05
1,2-dichlorobenzene	c	c	c	< 0.05
1,3-dichlorobenzene	c	c	c	< 0.05
1,4-dichlorobenzene	c	c	c	< 0.05
1,2,3-trichlorobenzene	c	c	c	< 0.05
1,2,4-trichlorobenzene	c	c	c	< 0.05
1,2,5-trichlorobenzene	c	c	c	< 0.05
1,2,4,5-tetrachlorobenze	c	c	c	< 0.05
Pentachlorophenol	c	c	c	< 0.05
DDT	c	c	c	< 0.05
2,4-dichlorophenyl- benzenesulfonate	c	c	c	< 0.05

- a The Minimum Detection Limit (MDL) is defined as the lowest concentration of compound that yields a positive test result. Soil concentrations = ppm, wipe concentrations =  $\mu\text{g}/100\text{ cm}^2$
- b The % cross-reactivity is determined by dividing the equivalent Aroclor 1254 concentration by the actual compound concentration at  $\text{IC}_{50}$ .
- c Could not be detected by the D TECH test at 1000 ppm in soil or 10,000  $\mu\text{g}/100\text{ cm}^2$  in wipes.

### INTERFERING SUBSTANCES

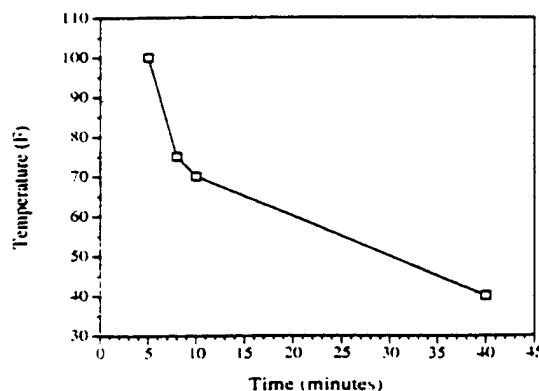
The D TECH PCB Test Kit has been tested for results interference by other priority pollutants. A negative interference (none) indicates the target compound spiked into a PCB sample at the indicated concentration, did not affect the PCB result. The table below summarizes the data.

Compound	% Cross reactivity	Interference
500 ppm PAH	< 0.1%	none
500 ppm BTEX	< 0.1%	none
500 ppm PCP	< 0.05%	none
500 ppm Bifenox	3 %	higher result
500 ppm Oil (mineral)	< 0.05%	none
>2000 ppm Oil (mineral)	< 0.05%	lower result

### TIME-TEMPERATURE RELATIONSHIP

All enzyme immunoassays are temperature dependent. At cooler temperatures, the color development step of the D TECH PCB test will take longer than 10 minutes. A time-temperature graph has been provided to illustrate this point. This graph should not be used to determine the time to run a test at a given temperature, but rather as a guide to estimate the time necessary to complete the development step. All tests should be run until the color produced by the reference matches the reference bar on the color card.

D TECH TIME-TEMPERATURE GRAPH



### TEST VARIATION

The PCB Test Coefficient of Variation (CV), also known as the Relative Standard Deviation (RSD), has been evaluated at various concentrations. The data indicate the average test RSD, based on concentration, is 10%.

### TESTING HIGHER PCB CONCENTRATIONS

For further information, please call our technical service hotline 1-800-222-0342



**QUALITY CONTROL**

1. Read the test instructions completely before use to assure familiarity with the test procedure.
2. Monitor the storage conditions of the tests. Expiration dates are dependent on storage temperature.
3. To insure test reproducibility, investigators should confirm that all samples analyzed are homogeneous and representative of the site of interest.
4. A reference must be run with each test. The reference serves as a positive control to ensure the performance of the test and to verify that test procedures were properly followed.
5. Prior to analysis, the user should incorporate a quality assurance and quality control plan into the field testing procedure. We recommend adherence to USEPA data quality guidelines and suggest including the following steps in your QA/QC plan:
  - a. Record the operator's name, the date, time of collection and location of each sample.
  - b. Record any raw data, calculations and final results for each sample.
  - c. Document matrix and background effects by testing an uncontaminated sample taken on site.
  - d. Run a duplicate analysis on one of every 20 samples.
  - e. Confirm field sample analyses by submitting at least 10% of the samples for quantitation by an EPA approved method that is different from the field method. Representative samples should include 3 samples above and 2 samples below the minimum detection limit of the field assay.
6. Additional options:
  - a. Use performance evaluation standards daily for assay validation.
  - b. Document the method blank by completing the assay without introducing sample.
  - c. Perform a field analysis on a matrix spike to document any matrix effect on the analyte measured.

**HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test. During the execution of the test, any excess PCB is absorbed into the **Cup Assembly** absorbent plug. It is not retained on the surface of the **Cup Assembly**.

**PROTECT EYES WITH SAFETY GLASSES AND PROTECT SKIN WITH PROTECTIVE GLOVES.**

**Associated Hazards:** May be irritating to skin, eyes and mucous membranes.

**Symptoms of Exposure:** May be irritating on contact with skin, eyes and mucous membranes.

**First Aid Measures:** GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

**Skin:** Wash thoroughly with soap and water

**Eyes:** Immediately flush with water for at least 15 minutes.

**Inhalation:** Remove to fresh air. Give artificial respiration if breathing has stopped.

**Ingestion:** Get immediate medical attention. If conscious, give water freely.

The D TECH® Field Test Products available from EM Science include:

<u>D TECH Product</u>	<u>Item Number</u>
TNT Test Kit	TK-1004-1
RDX Test Kit	TK-1005-1
TNT/RDX Soil Extraction Pac	TK-1001S-1
PCB in Soil Test Kit	TK-1002-1
PCB Wipe Test Kit	TK-1002W-1
BTEX Test Kit	TK-1003-1
BTEX Soil Extraction Pac	TK-1003S-1
PAH Test Kit	TK-1006-1
PAH Soil Extraction Pac	TK-1006S-1
"NEW" BTEX Test Kit (Available February 1995)	TK-1008-1
TCE Test Kit (Available June 1995)	TK-1007-1
TCE Soil Extraction Pac (Available June 1995)	TK-1007S-1
PCP Test Kit (Available September 1995)	TK-1009-1
PCP Soil Extraction Pac (Available September 1995)	TK-1009S-1

### ACCESSORIES

DTECHTOR Meter	TK-1001M-1
Field Carry Bag	TK-1000-1

All D TECH Test Kits are manufactured at Strategic Diagnostics Incorporated's GMP facility. All products are thoroughly quality controlled to consistently meet the published specifications.

#### GENERAL LIMITED WARRANTY

All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

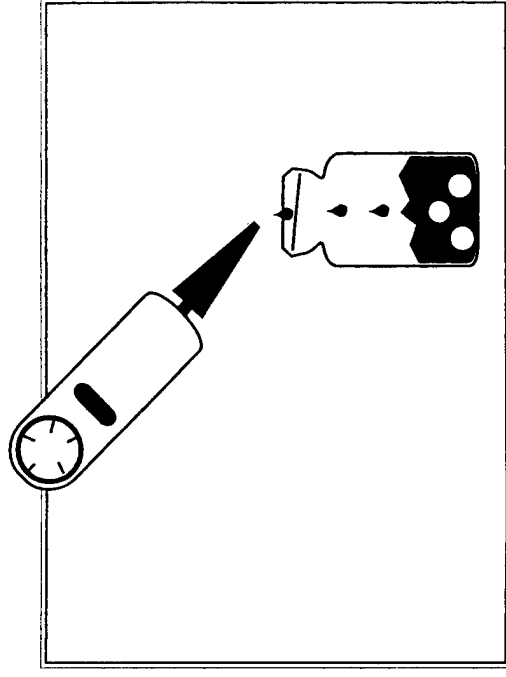
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Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

EM SCIENCE/Strategic Diagnostics Inc.  
480 Democrat Road  
P.O. Box 70  
Gibbstown, N.J. 08027  
(800) 222-0342

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# Soil Extraction Bottle Kit



MILLIPORE

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Lit. No. TS050, 1/96

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# **EnviroGard Soil Extraction Bottle Kit**

## **Introduction**

This document describes how to use the EnviroGard Soil Extraction Bottle Kit. It contains details on:


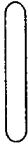

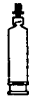






- Purpose of the kit
- Parts in the kit and materials you need to supply
- Extraction procedures
- Product ordering information

## What is the EnviroGard Soil Extraction Bottle Kit?

The EnviroGard™ Soil Extraction Bottle Kit enables you to extract pesticides and industrial contaminants from soil. This kit contains enough material for 14 soil samples. Once you extract the soil, you can test it using one of the EnviroGard in Soil Test Kits. Call your local Millipore office for details.

## Parts of the Kit

This kit includes the following items:

Part	Diagram
18 Weigh boats	
18 Wooden spatulas	
14 Soil extraction bottles (each containing three mixing beads) with caps	
1 Syringe, 20 cubic centimeters (cc) with coupler	
1 Syringe coupler	
14 Millex®-HV <sub>13</sub> filter units	
14 Filter caps	
14 Glass storage vials with caps, 4 milliliters (mL)	
14 Stoppers	
14 Blank labels	

**NOTE:** The syringe coupler, Millex®-HV<sub>13</sub> filter units, storage vial caps, and stoppers are packaged under the weigh boat compartment.

## Materials You Supply

You need to supply:

- Methanol or other extraction solvent (type and amount depends on the EnviroGard test kit you plan to use)
- Portable balance
- Pen or marker
- Timer
- Repeater® pipette with 50 mL pipette tips (included with the EnviroGard Soil Field Lab [ENVR L00 09])
- Soil extraction bottle rack (included with the EnviroGard Soil Field Lab)

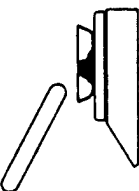
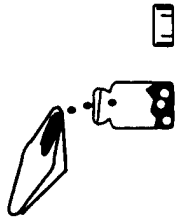
**NOTE:** The bottle rack is optional. Use it to extract up to six soil samples simultaneously.

## Soil Preparation and Extraction Procedures

The following sections describe how to:

- Prepare the soil sample
- Extract the sample from the soil
- Filter the sample by squeezing the bottle or by using a syringe to pressurize the bottle.

### Prepare the Soil Sample

Step	Action
1	<p>Collect a soil sample. Then organize these items at a work area:</p> <ul style="list-style-type: none"> <li>■ Weigh boat</li> <li>■ Wooden spatula</li> <li>■ Portable balance</li> <li>■ Soil extraction bottle with cap</li> <li>■ Pen or marker</li> </ul>
2	<p>Place the weigh boat on the balance and press <b>ON/MEMORY</b>. Then weigh out 5.0 grams (g) of soil into the weigh boat using the wooden spatula.</p> <p><b>NOTE:</b> The amount of soil you use may vary, depending on the assay. Refer to your EnviroGard test kit instructions.</p> 
3	<p>Uncap the soil extraction bottle and label it appropriately. Then fold the weigh boat into the mouth of the bottle and pour in your sample. Discard the boat and spatula appropriately. Repeat steps 1–3 for each sample you want to test. See the next section for steps to extract the sample.</p> 

### Extract the Sample

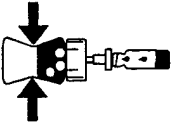
Step	Action										
1	<p>Place these items at your work area:</p> <ul style="list-style-type: none"> <li>■ Repeater pipette with a 50 mL tip</li> <li>■ Methanol or other extraction solvent (See your test kit instructions.)</li> <li>■ Timer</li> </ul>										
2	<p>Attach the 50 mL tip to the Repeater pipette and set the dial to 5. (This is equivalent to 5 mL.) If you have the TNT in Soil kit, set the pipette to 4 instead of 5.</p>										
3	<p>Uncap each soil extraction bottle (if necessary). Add methanol or extraction solvent to each bottle. The amount of methanol or extraction solvent you add depends on the EnviroGard test kit you use. Refer to this chart for details:</p> <table border="1"> <thead> <tr> <th>If You Use This Kit...</th><th>Use This Amount of Methanol for Solvent!...</th></tr> </thead> <tbody> <tr> <td>PCB, TPH, BTEX, PAH, PCP*, 2,4-D*, or DDT in Soil</td><td>5 mL for a 5 g soil sample</td></tr> <tr> <td>Toxaphene or Chlordane in Soil</td><td>10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample</td></tr> <tr> <td>TNT* in Soil</td><td>8 mL—deliver to extraction bottle twice to add the 8 mL to a 2 g soil sample</td></tr> <tr> <td colspan="2">* Use extraction solvent instead of methanol; see kit instructions for details.</td></tr> </tbody> </table> <p><b>CAUTION:</b> If you have clay samples, add an additional 5.0 mL of methanol or extraction solvent to each sample. Otherwise, the samples soak up all of the methanol or extraction solvent, leaving little or no excess liquid to decant. When interpreting results, factor the dilution into the calculations. For example, you will need to multiply each of the calibrator concentrations by the ratio of methanol or extraction solvent (in mL) to soil (in g). See your test kit instructions for details.</p>	If You Use This Kit...	Use This Amount of Methanol for Solvent!...	PCB, TPH, BTEX, PAH, PCP*, 2,4-D*, or DDT in Soil	5 mL for a 5 g soil sample	Toxaphene or Chlordane in Soil	10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample	TNT* in Soil	8 mL—deliver to extraction bottle twice to add the 8 mL to a 2 g soil sample	* Use extraction solvent instead of methanol; see kit instructions for details.	
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* Use extraction solvent instead of methanol; see kit instructions for details.											
4	<p>Screw the cap back onto the extraction bottle; tighten it to prevent leaks. Set the timer for two minutes and agitate the bottle for that length of time. See the next section for details on filtering the sample.</p>										

### Filter the Sample


This section describes how to filter the sample in two ways. For example, you can:

- Squeeze the bottle
- OR
- Use a syringe to pressurize the bottle
- See the steps you want to use.

### Filter the Sample by Squeezing the Bottle

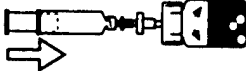
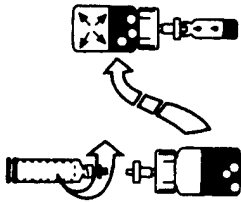
Step	Action
1	Place these items at your work area: <ul style="list-style-type: none"> <li>■ Filter cap</li> <li>■ Millex-HV<sub>13</sub> filter unit</li> <li>■ Glass storage vial and cap</li> </ul>
2	Remove and discard the extraction bottle cap. Then tightly screw a filter cap on the bottle. Attach a Millex-HV <sub>13</sub> filter unit to the filter cap.
3	Invert the extraction bottle. Insert the filter outlet into the mouth of the glass storage vial. Hold the vial steady and squeeze the bottle until you filter the necessary amount of soil extract. <div>  </div>
	<p><b>NOTE:</b> The amount you need depends on the EnviroGard test kit you use. Refer to your kit instructions.</p>
4	Remove the extraction bottle from the vial and discard appropriately. Cap the glass storage vial for testing at a later date, or begin testing the extract with the appropriate EnviroGard test kit. See your test kit instructions for details.

### Filter the Sample by Pressurizing the Bottle

Step	Action
1	Place these items at your work area before you filter your sample(s): <ul style="list-style-type: none"> <li>■ Filter caps</li> <li>■ Millex-HV<sub>13</sub> filter unit</li> <li>■ Syringe, 20 cc with coupler</li> <li>■ Glass storage vial with cap</li> <li>■ Stopper</li> <li>■ Soil extraction bottle rack, six-place (optional)</li> </ul>
2	Remove and discard the extraction bottle cap. Then tightly screw a filter cap on the bottle. Attach the Millex-HV <sub>13</sub> filter unit to the filter cap.
3	Draw air into the syringe by pulling the plunger to the 20 mL mark. Then twist the syringe assembly firmly onto the open end of the filter unit. <div>  </div>


Continued

## Filter the Sample by Pressurizing the Bottle, Continued

Step	Action
4	<p>Push down the plunger. This creates enough pressure in the soil extraction bottle to drive the soil extract through the filter.</p> 
5	<p>Hold the Millex-HV<sub>13</sub> filter unit and twist off the syringe coupler to remove the syringe assembly. Immediately invert the pressurized extraction bottle and insert the filter outlet into the mouth of the glass storage vial.</p>  <p><b>CAUTION:</b> Hold the assembly or place it in a rack to prevent tipping. If you use a rack, do not leave the assembly unattended; the soil extract may overflow and contaminate your work area.</p>

Continued

## Filter the Sample by Pressurizing the Bottle, Continued

Step	Action
6	<p>Wait until you filter the necessary amount of soil extract into the vial. (The amount you need depends on the EnviroGard test kit you use. Refer to your kit instructions for specific quantities.) Remove the bottle from the vial. Put a stopper onto the filter outlet to stop the flow. Then discard the extraction bottle appropriately.</p> 
7	<p>Cap the glass storage vial for testing at a later date, or begin testing the extract with the appropriate EnviroGard test kit. See your test kit instructions for details.</p>

## Product Ordering Information

The following chart lists the catalogue numbers for the EnviroGard Soil Extraction Bottle Kit and related products.

Description	Catalogue Number
EnviroGard Soil Extraction Bottle Kit, 14/pk	ENSP 000 30
Methanol, 100 mL	ELCR 000 07
EnviroGard Soil Field Lab	ENVR L00 09
Soil Extraction Bottle Rack, six-place	ENVR SP0 30
Soil Extraction Bulk Kit (100/pk)	ENVR 100 30



## Technical Assistance

Call the office in your country to order parts or additional product information or to contact Technical Service.

**NOTE:** To receive the our laboratory products catalogue (*Millipore Direct*), call your local Millipore office. Or, look us up on the Internet (<http://www.millipore.com>).

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<b>CANADA</b> Analytical Division: 1 (800) 645-5476 Bioprocess Division: Tel. (416) 675-1598	<b>INDIA</b> Tel. (91) 80 6394637/ 396320	<b>SPAIN</b> Madrid Tel. 91-729 03 00 Barcelona: Tel. 93-325 96 16
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<b>CZECH REPUBLIC</b> Tel. (21) 52 21 75	<b>JAPAN</b> Tel. (03) 3474-9111	<b>SWITZERLAND</b> Tel. (01) 508-30-60
<b>DENMARK</b> Tel. 46 59 0032	<b>KOREA</b> Tel. (82-2) 5548595	<b>TAIWAN</b> Tel. (886-2) 7001742
	<b>MALAYSIA</b> Tel. (60) 3-7571322	<b>U.K. and IRELAND</b> Tel. (0923) 816375
	<b>MEXICO</b> Tel. (525) 576-06-88	<b>U.S.A.</b> Tel. (617) 275-9286
	<b>THE NETHERLANDS</b> Tel. (07650) 22000	<b>In All Other Countries</b> Millipore Intertech (U.S.A.) Tel. +1 (617) 275-9200

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# MILLIPORE

## EnviroGard™ Chlordane in Soil Test Kit ENVR 000 40

### Intended Use

The EnviroGard Chlordane in Soil Test Kit is a semi-quantitative field test for the detection of Chlordane in soil. The EnviroGard Chlordane in Soil Test Kit allows reliable and rapid screening for chlordane at 20, 100, and 600 parts per billion (ppb) in soil.

### Test Principles

The EnviroGard Chlordane in Soil Test Kit is based on the use of polyclonal antibodies that bind either Chlordane or Chlordane-Enzyme Conjugate. These antibodies are immobilized to the walls of the test tubes. When Chlordane is present in the sample, it competes with the Chlordane-Enzyme Conjugate for a limited number of antibody binding sites.

- A sample containing Chlordane is added to a test tube containing Assay Diluent. Chlordane-Enzyme Conjugate is then added to the test tube. The Chlordane-Enzyme Conjugate competes with the Chlordane for the antibody binding sites.
- After the incubation, the unbound molecules are washed away.
- A clear solution of chromogenic Substrate is then added to the test tube. In the presence of bound Chlordane-Enzyme Conjugate, the clear Substrate is converted to a blue color. One enzyme molecule can convert many Substrate molecules.

Since there are the same number of antibody binding sites on every test tube and each test tube receives the same number of Chlordane-Enzyme Conjugate molecules, a sample that contains a low concentration of Chlordane allows the antibody to bind many Chlordane-Enzyme Conjugate molecules. The result is a dark blue solution.

Conversely, a high concentration of Chlordane allows fewer Chlordane-Enzyme Conjugate molecules to be bound by the antibodies, resulting in a lighter blue solution.

**Note:** Color is inversely proportional to Chlordane concentration.

Darker color = Lower concentration  
Lighter color = Higher concentration

### Performance Characteristics

The EnviroGard Chlordane in Soil Test Kit will not differentiate between Chlordane and other structurally similar compounds, but will detect their presence to differing degrees. The following table shows a number of compounds and the approximate concentration of each required to yield a positive result (Lower Limit of Detection or LLD). It also shows the concentration required to inhibit one-half of the color developed by the Negative Control (IC50). Concentration is in parts per million (ppm), or parts per billion (ppb) in soil.

Compound	LLD	IC50
Chlordane	14 ppb	100 ppb
Endrin	6 ppb	22 ppb
Endosulfan I	6 ppb	36 ppb
Endosulfan II	6 ppb	28 ppb
Dieldrin	6 ppb	42 ppb
Heptachlor	6 ppb	34 ppb
Aldrin	20 ppb	116 ppb
Toxaphene	0.2 ppm	2.8 ppm
Gamma-BHC *	0.6 ppm	4.6 ppm
Alpha-BHC	2 ppm	19 ppm
Delta-BHC	2 ppm	40 ppm

\*Gamma-BHC is Lindane

### Precautions

- Treat Chlordane, solutions that contain Chlordane and potentially contaminated soil samples as hazardous materials.
- Where appropriate, use gloves, proper protective clothing, and methods to contain and handle hazardous material.

- Store all test kit components at 4°C to 8°C (39°F to 46°F) when not in use.
- Do not freeze test kit components or expose them to temperatures greater than 37°C (99°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before beginning the test.
- Do not use test kit components after the expiration date.
- Do not use reagents or test tubes from one test kit with reagents or test tubes from a different test kit.
- Use approved methodologies to confirm any positive results.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure; this may give inaccurate results.
- Tightly recap the Chlordane calibrator vials to prevent evaporative loss.
- Distribution of Chlordane in soils may be highly variable. The use of a composite sampling technique may be appropriate. Development of a sampling plan that assures adequate sample number and distribution is the responsibility of the analyst.

## Materials Provided

### EnviroGard Chlordane in Soil Test Kit

This test kit contains the following items:

- 20 Antibody-Coated Test Tubes
- 1 vial of Assay Diluent
- 1 vial of Negative Control (methanol)
- 1 vial of 20 ppb Chlordane Calibrator in methanol (actual concentration is 10 ppb)
- 1 vial of 100 ppb Chlordane Calibrator in methanol (actual concentration is 50 ppb)
- 1 vial of 600 ppb Chlordane Calibrator in methanol (actual concentration is 300 ppb)
- 1 vial of Chlordane-Enzyme Conjugate
- 1 vial of Substrate
- 1 vial of Stop Solution
- 1 20-place Test Tube Rack

- 22 Pipette Tips, pink (for the Gilson M-25 Microman® Positive Displacement Pipettor)

**NOTE:** To determine the chlordane concentration in soil, a dilution factor of 2 has been calculated in. This factor of 2 is derived from extraction of the 5 grams of soil with 10 mL of solvent.

## Materials Required and Ordered Separately

See "Ordering Information" for the appropriate catalogue numbers.

### EnviroGard Soil Extraction Bottle Kit

Use this kit for the extraction of Chlordane in soil samples. This kit contains enough devices to process 14 samples:

- 14 30 milliliter (mL) LDPE Bottles with screw caps (each bottle contains stainless steel mixing beads)
- 14 filtration caps
- 14 Millex® HV13 filters
- 18 Wooden Spatulas
- 1 Syringe with coupler
- 1 Syringe coupler
- 14 Screw Top Glass Vials, 4.0 mL
- 14 Stoppers
- 18 Weigh Boats

### Methanol

ACS reagent grade Methanol is required for soil extraction, but is not included in the EnviroGard Soil Extraction Bottle Kit. You must order it separately. (See "Ordering Information.")

Prepare a 90% Methanol extraction solvent by mixing 180 ml of Methanol with 20 ml of laboratory grade water and mix thoroughly before use.

## Materials Required but Not Provided

You will also need several other items, some of which are included in the EnviroGard Soil Field Lab.

(See "Ordering Information" for the appropriate catalogue number).

- Gilson M-25 Microman Positive Displacement Pipettor
- Eppendorf<sup>TM</sup> Repeater<sup>®</sup> Pipettor and five Combitips<sup>®</sup> (3 x 12.5 mL, 1 x 5.0 mL, and 1 x 50 mL)
- Balance capable of accurately weighing 5 grams
- Millipore Differential Photometer or Enviro-Quant Photometer
- Indelible marker for labeling test tubes
- Watch or timer
- Clean running water or a wash bottle containing tap or deionized water (500 mL)
- Calculator (optional)

### Suggestions for Pipettor Use

- Practice using both pipettors (positive displacement and Repeater pipettor) with water and extra tips before you analyze your samples.
- Use a new tip each time you use the Repeater pipettor to avoid reagent cross-contamination. Label three 12.5 mL tips "Diluent", "Substrate" and "Stop," and one 5.0 mL tip "Conjugate".
- Draw the desired reagent volume into the Repeater pipettor and dispense one portion of the reagent back into the container to properly engage the ratchet mechanism. If you do not do this, the first volume delivered may be inaccurate.
- To add reagents using the Repeater pipettor, pipette down the side of the test tube just below the rim.
- To add samples and calibrators using the positive displacement pipettor, pipette down the side of the test tube just above the liquid level.
- The carryover volume of the positive displacement tips is minimal, but may affect results if you are going from a high to low Chlordane concentration. Use a new pipettor tip each time you pipette a new unknown.

## Assay Procedure

### Collect/Store the Sample

1. Collect soil in appropriately-sized and labeled containers.
2. Take care to remove excess twigs, organic matter and rocks or pebbles from the sample. For best results, wet soils should be air-dried overnight and thoroughly mixed before testing.
3. Store soil samples at 4°C (39°F).

### Prepare the Sample/Extract the Soil

1. Please follow the instructions from the EnviroGard Soil Extraction Bottle Kit to prepare the soil extract before the assay.
2. **10 mL of 90% Methanol** in water will be used to extract chlordane residue from a 5 gram soil sample. As per instructions, attach a **50 mL** Combitip to the Repeater pipettor and set the dial to **5**. Deliver twice to add **10 mL of 90% methanol** to the extraction vial, and cap tightly.

### Perform the Test

**NOTE:** Allow all reagents and sample extracts to reach room temperature (approximately 60 minutes) before you begin the test.

Remove the test tubes from the plastic bag and label them as follows\*:

<u>Tube Label</u>	<u>Tube Contents</u>
NC	Negative Control
C1	20 ppb Calibrator
C2	100 ppb Calibrator
C3	600 ppb Calibrator
S1	sample 1
S2	sample 2
etc.	

\*You are not required to perform the assay in duplicate; however, doing so will increase the precision.

1. Place the test tubes in the test tube rack. Push down on each tube so that it is held firmly and does not fall out of the rack when shaken.

**CAUTION:** Do not "snap" the test tubes into the rack as this may result in a cracked tube.

2. Attach the **12.5 mL** Combitip labeled "Diluent" to the Repeater pipettor and adjust the dial to **1**. Add **250 microliters ( $\mu\text{L}$ )** of Assay Diluent to each test tube.
3. Attach a clean pink pipette tip to the Microman pipettor and adjust the dial to **"050"**. Add **50  $\mu\text{L}$**  of each calibrator (including negative control) to the corresponding test tube by placing the end of the pipette tip against the side of the tube (just above the level of the Assay Diluent) and dispensing the volume. **Use a clean pipette tip each time.**

**CAUTION:** Replace the caps on the calibrator vials immediately after use to minimize evaporation.

4. Using a clean tip for each sample, add **50  $\mu\text{L}$**  of each sample extract to the appropriately-labeled test tube.
5. Let test tubes incubate for **15 minutes**.
6. Attach the **5.0 mL** Combitip labeled "Conjugate" to the Repeater pipettor and adjust the dial to **2**. Add **200  $\mu\text{L}$**  of Chlordane-Enzyme Conjugate to each test tube.  
  
Shake the test tube rack to mix for 10 to 15 seconds. Leave the test tubes undisturbed for **5 minutes**.
7. Vigorously shake out the test tube contents into a sink or suitable container. Fill the test tubes to **overflowing** with cool tap or distilled water, then decant and vigorously shake out the remaining water.

Repeat this wash step three more times, being certain to shake out as much water as possible on each wash. After the final wash, remove as much water as possible by tapping the inverted tubes on absorbant paper.

8. Attach the **12.5 mL** Combitip labeled "Substrate" to the Repeater pipettor and set the dial to **2**. Add **500  $\mu\text{L}$**  of Substrate to each test tube. Leave the test tubes undisturbed for **3 minutes**.

**NOTE:** If a blue color does not develop in the Negative Control test tube within 3 minutes after adding the Substrate, the test is invalid and you must repeat it.

## Interpret the Results

You can either interpret the results visually within 3 minutes after adding the Substrate to each test tube, or you can perform a more precise analysis with a photometer after you add the Stop Solution.

### Visual Interpretation

After you add the Substrate, wait 3 minutes then mix the test tubes by shaking them for a few seconds until they are a uniform blue color. Compare the sample test tube to the calibrator test tubes against a white background. The test tube rack in the kit is well-suited for this purpose.

- If a sample test tube contains *more* color than the calibrator test tube, the sample contains Chlordane at a concentration *lower* than the calibrator.
- If a sample test tube contains *less* color than the calibrator test tube, the sample may contain Chlordane at a concentration *greater* than the calibrator.
- If the sample test tube contains color that is between the calibrator test tubes, the sample contains Chlordane at a concentration between the calibrator concentrations.
- If a sample test tube contains *approximately the same* amount of color as the calibrator test tube, the sample contains Chlordane at a concentration *approximately equal* to the calibrator.
- If the sample test tube contains less color than the 600 ppb Calibrator test tube, you may dilute a fraction of the soil extract in 90% methanol (for example, 1:10) and perform the assay again. To determine the concentration of the diluted extract multiply the result by the dilution factor. (Go to "Semi-Quantitative Interpretation" for further details.)

### Photometric Interpretation

After you add the Substrate, wait 3 minutes then add the Stop Solution to each test tube.

**WARNING:** Stop solution is 1N Hydrochloric acid. Handle carefully.

Attach the 12.5 mL Combitip labeled "Stop" to the Repeater pipettor and set the dial to 2. Add 500  $\mu$ L of Stop Solution to each test tube. This converts the blue color in the test tubes to yellow.

**NOTE:** After you add Stop Solution to the test tubes, results should be read within 30 minutes.

### Millipore Differential Photometer

1. Place a water blank test tube containing 1.5 mL of Milli-RO<sup>®</sup> or Milli-Q<sup>®</sup> water, or equivalent in the left (reference) well.
2. Place the Negative Control test tube into the right (sample) well. Record the optical density (OD) of the Negative Control.
3. Remove the Negative Control test tube and replace it with the 20 ppb Calibrator test tube to reactivate the photometer. Record the result. Repeat this step to determine the OD for each of the remaining calibrators and for each sample.

### Semi-quantitative Interpretation

Compare the OD of each sample to the OD of each calibrator:

- If a sample OD is *equal* to the OD of a calibrator, the sample contains Chlordane at a concentration *approximately equal* to the calibrator.
- If a sample OD is *greater* than a calibrator OD, the sample contains *less* Chlordane than the calibrator.
- If a sample OD is *lower* than a calibrator OD, the sample may contain *more* Chlordane than that calibrator.
- If an assay result indicates that a soil sample contains greater than 600 ppb Chlordane, but you need more specific information, the soil extract may be diluted 1:10 in 90% methanol, and assayed again. You must then multiply the results of the re-assay by 10 to determine the approximate sample extract concentration.

**NOTE:** If you know in advance that the "action level" of interest is greater than 1 ppm Chlordane in soil, the assay may be modified to pinpoint that particular concentration.

### Example Data

Actual OD values will vary. This data is for demonstration purposes only.

Tube	OD	Interpretation
NC	0.90	
C1 (20 ppb)	0.65	
C2 (100 ppb)	0.49	
C3 (600 ppb)	0.35	
S1	0.58	>20 ppb < 100 ppb
S2	0.16	> 600 ppb

**NOTE:** The EnviroQuant Photometer is also available from Millipore. This dual wavelength instrument measures the OD at 450 nanometers (nm) minus 600 nm of all samples and calibrators, and provides a printout of results. See "Ordering Information" for the appropriate catalogue number.

### Limitations of the Procedure

Soil sampling error may significantly affect testing reliability. The distribution of pesticides in different soils can be extremely heterogeneous. Soils should be dried and homogenized before analysis by any method. Split samples (i.e. for GC and immuno-assay) should always derive from the same homogenate.

## Ordering Information

The following table lists descriptions and catalogue numbers for the EnviroGard Chlordane in Soil Test Kit, Soil Extraction Bottle Kit, and related products.

Description	Catalogue Number
EnviroGard Chlordane in Soil Test Kit	ENVR 000 40
EnviroGard Soil Extraction Bottle Kit	ENSP 000 30
Methanol for soil extraction, 100 mL bottle	ELCR 000 07
Millipore Differential Photometer: <ul style="list-style-type: none"> <li>• 115 volt (V), or</li> <li>• 230 V</li> </ul>	ENVR 000 00 ENVR 002 30
EnviroQuant Photometer, 110V, or EnviroQuant Photometer, 220V EnviroQuant Replacement Paper, 12 rolls	ENVR T11 00 ENVR T22 00 ENVR T11 02
EnviroGard Replacement Pipettor Tips (available separately): <ul style="list-style-type: none"> <li>• Positive displacement pipettor tips, 50-250 <math>\mu</math>L range 200/pk (not preassembled)</li> <li>• Repeater pipettor tips, 5.0 mL, 100/pk</li> <li>• Repeater pipettor tips, 12.5 mL, 100/pk</li> <li>• Repeater pipettor tips, 50 mL, 10/pk</li> </ul>	ENVR L07 09  ENVR L01 09 ENVR L02 09 ENVR L03 09
EnviroGard Soil Field Lab includes: <ul style="list-style-type: none"> <li>• 1 Portable balance with 100 gram calibrator weight</li> <li>• 1 Eppendorf Repeater pipettor</li> <li>• 3 5.0 mL Pipette tips for the Repeater pipettor, for 0.1 mL through 0.5 mL dispensing volumes</li> <li>• 6 12.5 mL Pipette tips for the Repeater pipettor, for 0.25 mL through 1.250 mL dispensing volumes</li> <li>• 1 50 mL Pipette tip for the Repeater pipettor, for 1.0 mL through 5.0 mL dispensing volumes</li> <li>• 1 Positive displacement precision pipettor, adjustable (2-250 <math>\mu</math>L)</li> <li>• 1 Electronic timer</li> <li>• 6 Polystyrene test tubes, 12 mm X 75 mm (for blanking the spectrophotometer and dilutions)</li> <li>• 4 Test tube racks, six-position</li> <li>• 1 Wash bottle, 500 mL</li> <li>• 1 125 mL large mouth bottle</li> <li>• 2 Work stations</li> <li>• 1 Soil extraction rack</li> </ul>	ENVR L00 09
Contact Millipore Technical Service for kit component replacement or reordering information. (See the "Technical Assistance" section for the number of the Millipore office nearest you.)	

## Technical Assistance

To Place an Order or Receive Technical Assistance, call the nearest number listed below:

### IN THE U.S. AND CANADA

Call toll-free **800-MILLIPORE** (800-645-5476)

In the U.S. FAX Orders (617) 533-8873

In Canada FAX Orders (613) 225-9366

### Millipore Worldwide:

#### Australia

A•C•N: (001) 239-818

Toll Free (008) 222-111

In Sydney Area (02) 428-7333

#### Austria, Central Europe, C.I.S., Africa, Middle-East, and Gulf

In Austria: (43) 1-877-8926

#### Baltic Republics

In Finland: (358) 0 8045110

#### Belgium and Luxembourg

(02) 726-8840

#### Brazil

(011) 548-7011

#### Canada

Toll Free 1-800-645-5476

In Toronto Area: 416-678-2161

#### China, People's Republic of

Beijing: (86) 1-5008063

Guangzhou: (86) 20-686217

Shanghai: (86) 21-3737256

#### Czech Republic

(42) 2-35-02-27

(42) 2-35-23-75

#### Denmark

(46) 59-00-23

#### Finland

Tel. (90) 8045110

#### France

(1) 30-12-70-00

#### Germany

(06196) 494-0

#### Hong Kong

(852) 2803-9111

#### Hungary

(36) 11-62-06-86

#### India

Bangalore:

(812) 394657

#### Italy

Milano: (02) 25078-1

Roma: (06) 5203600

#### Japan

(03) 3474-9111

#### Korea

(82-2) 5548305

#### Malaysia

(60) 3-7571322

#### Mexico

(525) 576-96-88

#### The Netherlands

(01608) 22000

#### Norway

472- 267-82-53

#### Poland

(48) 2-669-12-25

(48) 2-663-70-31

#### Puerto Rico

809-747-8444

#### Singapore

(65) 253-2733

#### Spain

Madrid: 91-729-03-00

Barcelona: 93-325-96-16

#### Sweden

Sundbyberg:

08-628-69-60

#### Switzerland

(01) 945-3242

#### Taiwan

(886-2) 7001742

#### U K and Ireland

(0923) 816375

#### United States of America

Toll Free

1-800-MILLIPORE

(800-645-5476)

In Puerto Rico:

(809) 747-8444

#### In All Other Countries:

Millipore Intertech, U.S.A.

(617) 275-9200



## General Limited Warranty

Millipore Corporation ("Millipore") warrants the products manufactured by it against defects in materials and workmanship when used in accordance with the applicable instructions for a period of one year from the date of shipment of the products or where applicable, for a period not to extend beyond a product's printed expiration date. **MILLIPORE MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The warranty provided herein and the data, specifications and descriptions of Millipore products appearing in Millipore's published catalogues and product literature may not be altered except by express written agreement signed by an officer of Millipore. Representations, oral or written, which are inconsistent with this warranty or such publications are not authorized and if given, should not be relied upon.

In the event of a breach of the foregoing warranty, Millipore's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in materials or workmanship within the warranty period, provided the customer notifies Millipore promptly of any such defect. The exclusive remedy provided herein shall not be deemed to have failed of its essential purpose so long as Millipore is willing to repair or replace any nonconforming Millipore product or part. **Millipore shall not be liable for consequential, incidental, special or any other indirect damages resulting from economic loss or property damage sustained by a customer from the use of its products.** However, in some states the purchaser may have rights under state law in addition to those provided by this warranty.

## Safety

To receive complete safety information on this product, contact the nearest Millipore office and request Material Safety Data Sheet documents P70002, P34782, P34207 and P34210.

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Microman is a trademark of Gilson Medical Electronics

# MILLIPORE

## EnviroGard™ DDT in Soil Test Kit

### ENVR 000 31

### Intended Use

The EnviroGard DDT in Soil Test Kit is a qualitative or semi-quantitative field test for the detection of DDT and its metabolites DDD and DDE in soil. The EnviroGard DDT in Soil Test Kit allows rapid semi-quantitative screening for DDT at 0.2, 1.0, and 10.0 parts per million (ppm) in soils.

### Test Principles

The EnviroGard DDT in Soil Test Kit is based on the use of polyclonal antibodies that bind either DDT or DDT-Enzyme Conjugate. These antibodies are immobilized to the walls of the test tubes. When DDT is present in the sample, it competes with the DDT-Enzyme Conjugate for a limited number of antibody binding sites.

- A sample containing DDT is added to a test tube containing Assay Diluent. DDT-Enzyme Conjugate is then added to the test tube. The DDT-Enzyme Conjugate competes with the DDT for the antibody binding sites.
- After the incubation, the unbound molecules are washed away.
- A clear solution of chromogenic Substrate is then added to the test tube. In the presence of bound DDT-Enzyme Conjugate, the clear Substrate is converted to a blue color. One enzyme molecule can convert many Substrate molecules.

Since there are the same number of antibody binding sites on every test tube and each test tube receives the same number of DDT-Enzyme Conjugate molecules, a sample that contains a low concentration of DDT allows the antibody to bind many DDT-Enzyme Conjugate molecules.

Therefore, a low concentration of DDT produces a dark blue solution. Conversely, a high concentration of DDT allows fewer DDT-Enzyme Conjugate molecules to be bound by the antibodies, resulting in a lighter blue solution.

**NOTE:** Color is inversely proportional to DDT concentration.

Darker color = Lower concentration

Lighter color = Higher concentration

### Performance Characteristics

The EnviroGard DDT in Soil Test Kit will not differentiate between DDT, its metabolites, and other structurally similar compounds, but will detect their presence to differing degrees. The following table shows a number of compounds and the approximate concentration of each required to yield a positive result (Lower Limit of Detection or LLD), and the concentration required to inhibit one-half of the color developed by the Negative Control (IC50). Concentration is in parts per million (ppm) in soil.

Compound	LLD	IC50
<i>p,p'</i> -DDT (kit calibrator)	0.04	1.25
<i>p,p'</i> -DDD	0.01	0.3
<i>p,p'</i> -DDE	0.18	3.6
<i>o,p'</i> -DDT	4	93
<i>o,p'</i> -DDD	0.4	11
<i>o,p'</i> -DDE	3	93
DDA	0.002	0.04
Chloropropylate	0.007	0.08
Chlorobenzilate	0.03	0.35
Dicofol	0.14	2
Tetradifon	1.2	14
Thiobencarb	5	52
Tebuconazole	7	95
Neburon	17	284
Chloroxuron	24	216
Monolinuron	25	714
Diclofop	70	>1000

The following compounds have lower limits of detection > 100 ppm:

2,4-D	4-chlorophenoxyacetic acid
Chlorbromuron	Chlordane
Chlortoluron	Dicamba
Diffubenzuron	Diuron
Lindane	Linuron
MCPA acid	MCPB
Mecoprop	

## Precautions

- Treat DDT, solutions that contain DDT and potentially contaminated soil samples as hazardous materials.
- Where appropriate, use gloves, proper protective clothing, and methods to contain and handle hazardous material.
- Store all test kit components at 4°C to 8°C (39°F to 46°F) when not in use.
- Do not freeze test kit components or expose them to temperatures greater than 37°C (99°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before beginning the test.
- Do not use test kit components after the expiration date.
- Do not use reagents or test tubes from one test kit with reagents or test tubes from a different test kit.
- Use approved methodologies to confirm any positive results.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure; this may give inaccurate results.
- Tightly recap the DDT calibrator vials to prevent evaporative loss.
- Distribution of DDT in soils may be highly variable. The use of a composite sampling technique may be appropriate. Development of a sampling plan that assures adequate sample number and distribution is the responsibility of the analyst.
- DDT is light sensitive. Store soil extracts at 2°C to 7°C, shielded from direct light.

## Materials Provided

### EnviroGard DDT in Soil Test Kit

This test kit contains the following items:

- 20 Antibody-Coated Test Tubes
- 1 vial of Assay Diluent

- 1 vial of Negative Control (methanol)
- 1 vial of 0.2 ppm DDT Calibrator in methanol
- 1 vial of 1.0 ppm DDT Calibrator in methanol
- 1 vial of 10.0 ppm DDT Calibrator in methanol
- 1 vial of DDT-Enzyme Conjugate
- 1 vial of Substrate
- 1 vial of Stop Solution
- 1 20-place Test Tube Rack
- 22 Pipette Tips, yellow (for the Gilson M-25 Micro-man® Positive Displacement Pipettor)

## Materials Required and Ordered Separately

See "Ordering Information" for the appropriate catalogue numbers.

### EnviroGard Soil Extraction Bottle Kit

Use this kit for the extraction of DDT in soil samples. This kit contains enough devices to process 14 samples:

- 14 30 milliliter (mL) LDPE Bottles with screw caps (each bottle contains stainless steel mixing beads)
- 14 filtration caps
- 14 Millex® HV<sub>13</sub> filters
- 18 Wooden Spatulas
- 1 Syringe with coupler
- 1 Syringe coupler
- 14 Screw Top Glass Vials, 4.0 mL
- 14 Stoppers
- 18 Weigh Boats

### Methanol

ACS reagent grade Methanol is required for soil extraction, but is not included in the EnviroGard Soil Extraction Kit. You must order it separately. (See "Ordering Information.")

## Materials Required but Not Provided

You will also need several other items, some of which are included in the EnviroGard Soil Field Lab. (See "Ordering Information" for the appropriate catalogue number).

- Gilson M-25 Microman Positive Displacement Pipettor
- Eppendorf™ Repeater® Pipettor and five Combitips® (3 x 12.5 mL, 1 x 5.0 mL, and 1 x 50 mL)
- Balance capable of accurately weighing 5 grams
- Millipore Differential Photometer or Enviro-Quant Photometer
- Indelible marker for labeling test tubes
- Watch or timer
- Clean running water or a wash bottle containing tap or deionized water (500 mL)
- Calculator (optional)

### Suggestions for Pipettor Use

- Practice using both pipettors (positive displacement and Repeater pipettor) with water and extra tips before you analyze your samples.
- Use a new tip each time you use the Repeater pipettor to avoid reagent cross-contamination. Label three 12.5 mL tips "Diluent", "Substrate" and "Stop," and one 5.0 mL tip "Conjugate".
- Draw the desired reagent volume into the Repeater pipettor and dispense one portion of the reagent back into the container to properly engage the ratchet mechanism. If you do not do this, the first volume delivered may be inaccurate.
- To add reagents using the Repeater pipettor, pipette down the side of the test tube just below the rim.
- To add samples and calibrators using the positive displacement pipettor, pipette down the side of the test tube just above the liquid level.
- The carryover volume of the positive displacement tips is minimal, but may affect results if you are going from a high to low DDT concentration. Use a new pipettor tip each time you pipette a new unknown.

## Assay Procedure

### Collect/Store the Sample

1. Collect soil in appropriately-sized and labeled containers.
2. Take care to remove excess twigs, organic matter and rocks or pebbles from the sample. For best results, wet soils should be air-dried overnight and thoroughly mixed before testing.

3. Store soil samples at 4°C (39°F).

### Prepare the Sample/Extract the Soil

1. Please follow the instructions from the EnviroGard Soil Extraction Bottle Kit to prepare the soil extract before the assay.
2. **5 mL of Methanol** will be used to extract DDT residue from a 5 gram soil sample. As per instructions, attach a **50 mL** Combitip to the Repeater pipettor and set the dial to **5**. Deliver once to add **5 mL** of **methanol** to the extraction vial, and cap tightly.

### Perform the Test

**NOTE:** Allow all reagents and sample extracts to reach room temperature before you begin the test. Do not analyze more than 20 test tubes at a time.

1. The choice of calibrators to use in the test will depend on the the selection of the analyst. The use of two calibrators may be appropriate if screening for a single level of DDT.

Remove the test tubes from the plastic bag and label them as follows\*:

<u>Tube Label</u>	<u>Tube Contents</u>
NC	Negative Control
C1	0.2 ppm Calibrator
C2	1.0 ppm Calibrator
C3	10.0 ppm Calibrator
S1	sample 1
S2	sample 2
etc.	

\* You are not required to perform the assay in duplicate; however, doing so will increase the precision.

Place the test tubes in the test tube rack. Push down on each tube so that it is held firmly and does not fall out of the rack when shaken.

**CAUTION:** Do not "snap" the test tubes into the rack as this may result in a cracked tube.

2. Attach the **12.5 mL** Combitip labeled "Diluent" to the Repeater pipettor and adjust the dial to **2**. Add 500 microliters (µL) of Assay Diluent to each test tube.
3. Attach a clean pipette tip to the Microman pipettor and adjust the dial to "**250**". Add 25 µL of each calibrator (including Negative Control) to the corresponding test tube by placing the end

of the pipette tip against the side of the tube (just above the level of the Assay Diluent) and dispensing the volume. Use a clean pipette tip each time.

**CAUTION:** Replace the caps on the calibrator vials immediately after use to minimize evaporation.

4. Using a clean tip for each sample, add 25  $\mu\text{L}$  of each sample extract to the appropriately-labeled test tube.
5. Attach the **5.0 mL** Combitip labeled "Conjugate" to the Repeater pipettor and adjust the dial to **1**. Add 100  $\mu\text{L}$  of DDT-Enzyme Conjugate to each test tube.
6. Shake the test tube rack to mix for 10 to 15 seconds. Leave the test tubes undisturbed for 15 minutes.
7. Vigorously shake out the test tube contents into a sink or suitable container. Fill the test tubes to **overflowing** with cool tap or distilled water, then decant and vigorously shake out the remaining water.  
  
Repeat this wash step three more times, being certain to shake out as much water as possible on each wash. After the final wash, remove as much water as possible by tapping the inverted tubes on absorbant paper.
8. Attach the **12.5 mL** Combitip labeled "Substrate" to the Repeater pipettor and set the dial to **2**. Add 500  $\mu\text{L}$  of Substrate to each test tube. Leave the test tubes undisturbed for 10 minutes.

**NOTE:** If a blue color does not develop in the Negative Control test tube within 10 minutes after adding the Substrate, the test is invalid and you must repeat it.

## Interpret the Results

You can either interpret the results visually within 10 minutes after adding the Substrate to each test tube, or you can perform a more precise analysis with a photometer after you add the Stop Solution.

### Visual Interpretation

After you add the Substrate, wait 10 minutes then mix the test tubes by shaking them for a few seconds until they are a uniform blue color. Compare the sample test tube to the calibrator test tubes against a white background. The test tube rack in the kit is well-suited for this purpose.

**NOTE:** The word DDT in the interpretation instructions below refers to "total DDT", i.e. the sum of  $p,p'$ -DDT,  $p,p'$ -DDD, and  $p,p'$ -DDE.

- If a sample test tube contains *more* color than the calibrator test tube, the sample contains DDT at a concentration *lower* than the calibrator.
- If a sample test tube contains *less* color than the calibrator test tube, the sample may contain DDT at a concentration *greater* than the calibrator.
- If the sample test tube contains color that is between the calibrator test tubes, the sample contains DDT at a concentration between the calibrator concentrations.
- If a sample test tube contains *approximately the same* amount of color as the calibrator test tube, the sample contains DDT at a concentration *approximately equal* to the calibrator.
- If the sample test tube contains less color than the 10 ppm Calibrator test tube, you may dilute a fraction of the soil extract in methanol (for example, 1:100) and perform the assay again. To determine the concentration of the diluted extract multiply the result by the dilution factor. (Go to "Semi-Quantitative Interpretation" for further details.)

### Photometric Interpretation

After you add the Substrate, wait 10 minutes then add the Stop Solution to each test tube.

**WARNING:** Stop solution is 1N Hydrochloric acid. Handle carefully.

Attach the **12.5 mL** Combitip labeled "Stop" to the Repeater pipettor and set the dial to **2**. Add 500  $\mu\text{L}$  of Stop Solution to each test tube. This converts the blue color in the test tubes to yellow.

**NOTE:** After you add Stop Solution to the test tubes, results should be read within 30 minutes.

### Millipore Differential Photometer

1. Place a water blank test tube containing 1.5 mL of Milli-RO® or Milli-Q® water, or equivalent in the left (reference) well.
2. Place the Negative Control test tube into the right (sample) well. Record the optical density (OD) of the Negative Control.
3. Remove the Negative Control test tube and replace it with the 0.2 ppm Calibrator test tube

to reactivate the photometer. Record the result. Repeat this step to determine the OD for each of the remaining calibrators and for each sample.

### Semi-quantitative Interpretation

Compare the OD of each sample to the OD of each calibrator:

**NOTE:** The word DDT in the interpretation instructions below refers to "total DDT", i.e. the sum of *p,p'*-DDT, *p,p'*-DDD, and *p,p'*-DDE.

- If a sample OD is *equal* to the OD of a calibrator, the sample contains DDT at a concentration *approximately equal* to the calibrator.
- If a sample OD is *greater* than a calibrator OD, the sample contains *less* DDT than the calibrator.
- If a sample OD is *lower* than a calibrator OD, the sample may contain *more* DDT than that calibrator.
- If an assay result indicates that a soil sample contains greater than 10 ppm total DDT, but you need more specific information, the soil extract may be diluted 1:100 in neat methanol, and assayed again. You must then multiply the results of the re-assay by 100 to determine the approximate sample concentration.

**NOTE:** If you know in advance that the "action level" of interest is greater than 10 ppm total DDT in soil, the assay may be modified to pinpoint that particular concentration. For example:

If you wish to categorize samples as less than or greater than 250 ppm, you should dilute all sample extracts 1:250 in neat methanol (e.g. 20 µL extract plus 4.98 mL methanol) and compare the diluted extracts to the 1 ppm DDT kit calibrator. Due to the 250-fold dilution, the 1 ppm calibrator represents 250 ppm in the assay.

**NOTE:** If you are interested in action levels greater than 1000 ppm, please contact Millipore Technical Services for assistance.

### Example

Actual OD values will vary. This data is for demonstration purposes only.

Tube	OD	Interpretation
NC	0.90	
C1 (0.2 ppm)	0.75	
C2 (1.0 ppm)	0.49	
C3 (10.0 ppm)	0.35	
S1	0.68	>0.2 ppm < 1.0 ppm
S2	0.16	> 10.0 ppm

**NOTE:** The EnviroQuant Photometer is also available from Millipore. This dual wavelength instrument measures the OD at 450 nanometers (nm) minus 600 nm of all samples and calibrators, and provides a printout of results. See "Ordering Information" for the appropriate catalogue number.

### Limitations of the Procedure

The EnviroGard DDT in Soil Test Kit is a qualitative/semi-quantitative screening test only. Actual quantitation of DDT by EnviroGard immunoassay is not possible due to the Test kit's cross-reactivity with DDT breakdown products and other similar compounds and to the variations in extraction efficiency inherent in the fast extraction protocol described in this product insert.

Soil sampling error may significantly affect testing reliability. The distribution of pesticides in different soils can be extremely heterogeneous. Soils should be dried and homogenized before analysis by any method. Split samples (i.e. for GC and immunoassay) should always derive from the same homogenate.

## Ordering Information

The following table lists descriptions and catalogue numbers for the EnviroGard DDT in Soil Test Kit, Soil Extraction Bottle Kit and related products.

Description	Catalogue Number
EnviroGard DDT in Soil Test Kit	ENVR 000 31
EnviroGard Soil Extraction Bottle Kit	•ENSP 000 30
Methanol for soil extraction, 100 mL bottle	ELCR 000 07
Millipore Differential Photometer: • 115 volt (V), or • 230 V	ENVR 000 00 ENVR 002 30
EnviroQuant Photometer, 110V, or EnviroQuant Photometer, 220V	ENVR T11 00 ENVR T22 00
EnviroQuant Replacement Paper, 12 rolls	ENVR T11 02
Positive Displacement Precision Pipettor, Adjustable (2-250 $\mu$ L) Repeater Pipettor EnviroGard Replacement Pipettor Tips (available separately): • Positive displacement pipettor tips, 1-25 $\mu$ L range 200/pk (not preassembled) • Repeater pipettor tips, 5.0 mL, 100/pk • Repeater pipettor tips, 12.5 mL, 100/pk • Repeater pipettor tips, 50 mL, 10/pk	ENVR SP0 06 ENVR SP0 01  ENVR L04 09  ENVR L01 09 ENVR L02 09 ENVR L03 09
EnviroGard Soil Field Lab includes: • 1 Portable balance with 100 gram calibrator weight • 1 Eppendorf Repeater pipettor • 3 5.0 mL Pipette tips for the Repeater pipettor, for 0.1 mL through 0.5 mL dispensing volumes • 6 12.5 mL Pipette tips for the Repeater pipettor, for 0.25 mL through 1.250 mL dispensing volumes • 1 50 mL Pipette tip for the Repeater pipettor, for 1.0 mL through 5.0 mL dispensing volumes • 1 Positive displacement precision pipettor, adjustable (2-250 $\mu$ L) • 1 Electronic timer • 6 Polystyrene test tubes, 12 mm X 75 mm (for blanking the spectrophotometer and sample dilutions) • 4 Test tube racks, six-position • 1 Wash bottle, 500 mL • 1 125 mL large mouth bottle • 2 Work stations • 1 Soil extraction rack Contact Millipore Technical Service for kit component replacement or reordering information. (See the "Technical Assistance" section for the number of the Millipore office nearest you.)	ENVR L00 09

## Technical Assistance

To Place an Order or Receive Technical Assistance, call the nearest number listed below:

### IN THE U.S. AND CANADA

Call toll-free **800-MILLIPORE** (800-645-5476)

In the U.S. FAX Orders (617) 533-8873

In Canada FAX Orders (613) 225-9366

### Millipore Worldwide:

#### Australia

A•C•N: (001) 239-818

Toll Free (008) 222-111

In Sydney Area (02) 428-7333

#### Austria, Central Europe, C.I.S., Africa, Middle-East, and Gulf

In Austria: (43) 1-877-8926

#### Baltic Republics

In Finland: (358) 0 8045110

#### Belgium and Luxembourg

(02) 726-8840

#### Brazil

(011) 548-7011

#### Canada

Toll Free 1-800-645-5476

In Toronto Area: 416-678-2161

#### China, People's Republic of

Beijing: (86) 1-5008063

Guangzhou: (86) 20-686217

Shanghai: (86) 21-3737256

#### Czech Republic

(42) 2-35-02-27

(42) 2-35-23-75

#### Denmark

(46) 59-00-23

#### Finland

Tel. (90) 8045110

#### France

(1) 30-12-70-00

#### Germany

(06196) 494-0

#### Hong Kong

(852) 2803-9111

#### Hungary

(36) 11-62-06-86

#### India

Bangalore:

(812) 394657

#### Italy

Milano: (02) 25078-1

Roma: (06) 5203600

#### Japan

(03) 3474-9111

#### Korea

(82-2) 5548305

#### Malaysia

(60) 3-7571322

#### Mexico

(525) 576-96-88

#### The Netherlands

(01608) 22000

#### Norway

472- 267-82-53

#### Poland

(48) 2-569-12-25

(48) 2-663-70-31

#### Puerto Rico

809-747-8444

#### Singapore

(65) 253-2733

#### Spain

Madrid: 91-729-03-00

Barcelona: 93-325-96-16

#### Sweden

Sundbyberg:

08-628-69-60

#### Switzerland

(01) 945-3242

#### Taiwan

(886-2) 7001742

#### U K and Ireland

(0923) 816375

#### United States of America

Toll Free

1-800-MILLIPORE

(800-645-5476)

In Puerto Rico:

(809) 747-8444

#### In All Other Countries:

Millipore Intertech, U.S.A.

(617) 275-9200



## General Limited Warranty

Millipore Corporation ("Millipore") warrants the products manufactured by it against defects in materials and workmanship when used in accordance with the applicable instructions for a period of one year from the date of shipment of the products or where applicable, for a period not to extend beyond a product's printed expiration date. **MILLIPORE MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The warranty provided herein and the data, specifications and descriptions of Millipore products appearing in Millipore's published catalogues and product literature may not be altered except by express written agreement signed by an officer of Millipore. Representations, oral or written, which are inconsistent with this warranty or such publications are not authorized and if given, should not be relied upon.

In the event of a breach of the foregoing warranty, Millipore's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in materials or workmanship within the warranty period, provided the customer notifies Millipore promptly of any such defect. The exclusive remedy provided herein shall not be deemed to have failed of its essential purpose so long as Millipore is willing to repair or replace any nonconforming Millipore product or part. **Millipore shall not be liable for consequential, incidental, special or any other indirect damages resulting from economic loss or property damage sustained by a customer from the use of its products.** However, in some states the purchaser may have rights under state law in addition to those provided by this warranty.

## Safety

To receive complete safety information on this product, contact the nearest Millipore office and request Material Safety Data Sheet documents P70002, P34782, P34207 and P34210.

## Acknowledgment

This kit was developed in collaboration with the Commonwealth Scientific and Industrial Research Organization (Australia) using reagents produced and supplied under exclusive license to Millipore and ImmunoSystems Incorporated.

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EnviroGard, Millex, Milli-Q and Milli-RO are trademarks of Millipore Corporation.  
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Microman is a trademark of Gilson Medical Electronics

**USEPA LEVEL II ANALYTICAL RESULTS**

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**ABB Environmental Services, Inc.**

TABLE J-1  
LEVEL II SUBSURFACE SOIL ANALYTICAL DATA  
VOCs AND OIL GREASE

FORT ALLEN  
JUANA DIAZ, PUERTO RICO

METH	Site ID/Field Samp. No.: (feet):	Depth Date Sampled: Lab ID:	UNITs	GP-03-01/P030110X 11-14-1996 0526440001	GP-03-02/P030210X 11-14-1996 0526440002	GP-03-03/P030310X 11-14-1996 0526440003	GP-03-04/P030410X 11-14-1996 0526440004	GP-03-05/P030510X 11-15-1996 0526440005	GP-03-06/P030610X 11-15-1996 0526440006	GP-03-07/P030710X 11-15-1996 0526440007	GP-03-08/P030810X 11-15-1996 0526440008	GP-03-09/P030910X 11-15-1996 0526440009
8260	1,1,1-Trichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,1,2,2-Tetrachloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,1,2-Trichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,1-Dichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,1-Dichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,2-Dichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,2-Dichloroethane-d4	%	98	101	98	98	98	98	98	101	100	102
8260	1,2-Dichloroethane (total)	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	1,2-Dichloropropane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	2-Butanone (MEK)	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	2-Hexanone	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	4-Bromofluorobenzene	%	103	102	102	103	103	103	100	102	101	102
8260	4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	Acetone	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	Benzene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Bromodichloromethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Bromomethane	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	Carbon disulfide	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Carbon tetrachloride	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Chlorobenzene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Chloroethane	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	Chloroform	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Chloromethane	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	cis-1,3-Dichloropropene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Dibromodichloromethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Ethylbenzene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Methylene chloride	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Styrene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Trichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Toluene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Toluene-d8	%	102	102	103	103	103	102	100	102	102	102
8260	trans-1,3-Dichloropropene	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Trichloroethane	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Vinyl acetate	ug/kg	ND	10	ND	10	ND	10	ND	10	ND	10
8260	Vinyl chloride	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
8260	Xylenes (total)	ug/kg	ND	5	ND	5	ND	5	ND	5	ND	5
E413.1	Oil and Grease	mg/kg	ND	100	ND	100	ND	100	ND	100	ND	100

Notes: ND = Non-Detected, followed by quantitation limit  
ug/kg = micrograms per kilogram, or parts per billion

**FORT ALLEN**  
**JUANA DIAZ, PUERTO RICO**

Notes: ND = Non-Detect, followed by que  
ug/Lg = micrograma per litergram,

TABLE J-1  
LEVEL II SUBSURFACE SOIL ANALYTICAL DATA  
VOCs AND OIL GREASE

FORT ALLEN  
JUANA DIAZ, PUERTO RICO

METH	Site ID/Field Samp. No.: (feet)	Depth: Date Sampled: Lab ID:	GP-09-07/PO80710X 11-14-1996 0528210011	GP-09-08/PO80810X 11-14-1996 0528210012	GP-M9-01/PM800110X 11-16-1996 0528740001	GP-M9-02/PM80210X 11-16-1996 0528740002	GP-M9-03/PM80310X 11-16-1996 0528740003	GP-M9-04/PM80410X 11-16-1996 0528740004	GP-M9-05/PM80510X 11-16-1996 0528740005	GP-WV-01/PMW0110X 11-16-1996 0528740008	GP-WV-02/PMW0210X 11-16-1996 0528740008
8260	1,1,1-Trichloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,1,2,2-Tetrachloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,1,2-Trichloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,1-Dichloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,2-Dichloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,2-Dichloroethane (d)	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,2-Dichloroethane (total)	98	100	97	81	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	1,2-Dichloropropane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	2-Butanone (MEK)	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	2-Hexanone	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	4-Bromofluorobenzene	102	102	100	105	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	4-Methyl-2-pentanone (MIBK)	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	Acetone	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	Benzene	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Bromodichloromethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Bromofluoromethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Bromomethane	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	Carbon disulfide	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Carbon tetrachloride	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Chlorobenzene	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Chloroethane	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	Chloroform	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Chloromethane	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	cis-1,3-Dichloropropene	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Dibromochloromethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Ethylbenzene	ND 5	ND 5	ND 5	1700	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Methylene chloride	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Styrene	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Tetrachloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Toluene	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Toluene-d8	102	102	104	104	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	trans-1,3-Dichloropropene	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Trichloroethane	ND 5	ND 5	ND 5	ND 500	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Vinyl acetate	ND 10	ND 10	ND 10	ND 1000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
8260	Vinyl chloride	ND 5	ND 5	ND 5	ND 1000	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
8260	Xylenes (total)	ND 5	ND 5	ND 5	1100	ND 5	ND 5	ND 5	ND 5	ND 5	ND 5
E413.1	Oil and Grease	ND 100	ND 100	ND 100	ND 100	ND 100	ND 100	ND 100	ND 100	ND 100	ND 100

Notes: ND = Non-Detect, followed by qua  
ug/kg = micrograms per kilogram,

TABLE J-1  
LEVEL II SUBSURFACE SOIL ANALYTICAL DATA  
VOCs AND OIL GREASE

FORT ALLEN  
JUANA DIAZ, PUERTO RICO

Site ID/Field Samp. No.: (Field):	Depth: Data Sampled:	Lab ID:	GP-WW-06PFWV06010 11-17-1998 0638740010	GP-WW-06PFWV06011 11-16-1998 0638740011	GP-WW-06PFWV06012 11-16-1998 0638740012	GP-WW-06PFWV06013 11-16-1998 0638740013
METH						
1,1,1-Trichloroethane			ND 5	ND 5	ND 5	ND 5
1,1,2,2-Tetrachloroethane			ND 5	ND 5	ND 5	ND 5
1,1,2-Trichloroethane			ND 5	ND 5	ND 5	ND 5
1,1-Dichloroethane			ND 5	ND 5	ND 5	ND 5
1,2-Dichloroethane			ND 5	ND 5	ND 5	ND 5
1,2-Dichloroethane-45			ND 5	ND 5	ND 5	ND 5
1,2-Dichloroethane (Total)			99	101	101	98
1,2-Dichloropropane			ND 5	ND 5	ND 5	ND 5
1,2-Dichloropropane (Total)			ND 5	ND 5	ND 5	ND 5
2-Butanone (MEX)			ND 10	ND 10	ND 10	ND 10
2-Butanone			ND 10	ND 10	ND 10	ND 10
4-Bromobenzene			100	99	101	101
4-Methyl-2-pentanol (MEX)			ND 10	ND 10	ND 10	ND 10
Acetone			ND 10	ND 10	ND 10	ND 10
Benzene			ND 5	ND 5	ND 5	ND 5
Bromobenzene			ND 5	ND 5	ND 5	ND 5
Bromobenzene			ND 5	ND 5	ND 5	ND 5
Bromobenzene			ND 10	ND 10	ND 10	ND 10
Carbon disulfide			ND 5	ND 5	ND 5	ND 5
Chlorobenzene			ND 5	ND 5	ND 5	ND 5
Chlorobenzene			ND 10	ND 10	ND 10	ND 10
Chlorobenzene			ND 5	ND 5	ND 5	ND 5
Chlorobenzene			ND 10	ND 10	ND 10	ND 10
di-1,3-Dichloropropane			ND 5	ND 5	ND 5	ND 5
Dibromobenzene			ND 5	ND 5	ND 5	ND 5
Ethylbenzene			ND 5	ND 5	ND 5	ND 5
Methylbenzene			ND 5	ND 5	ND 5	ND 5
Styrene			ND 5	ND 5	ND 5	ND 5
Toluene			ND 5	ND 5	ND 5	ND 5
Toluene			ND 5	ND 5	ND 5	ND 5
Toluene-45			102	101	103	100
Tri-1,3-Dichloropropane			ND 5	ND 5	ND 5	ND 5
Tri-1,3-Dichloropropane			ND 5	ND 5	ND 5	ND 5
Vinyl acetate			ND 10	ND 10	ND 10	ND 10
Vinyl chloride			ND 5	ND 5	ND 5	ND 5
Xylenes (Total)			ND 100	ND 100	ND 100	ND 100
Oil and Grease			ND 100	ND 100	ND 100	ND 100

Notes: ND = Non-Detect, followed by quantity in micrograms per kilogram.

**USAEC/IRDMIS ANALYTICAL RESULTS**

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**ABB Environmental Services, Inc.**

**IRDMIS DATA-FINAL DOCUMENTATION REPORTS**

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**ABB Environmental Services, Inc.**



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-09-01	S090101X	1.0	19-NOV-96	RL 52678-11		DRO /S	7439-92-1	Diesel range organics	18.6	UGG	V		
							GPB1/S		Lead	32	UGG	BV		
							GRO /S		Gasoline range organics	LT .5	UGG	V		
							GSE1/S	7782-49-2	Selenium	LT 1	UGG	V		
							GTL1/S	7440-28-0	Thallium	LT 2	UGG	V		
							HGC1/S	7439-97-6	Mercury	LT .2	UGG	V		
							ICM1/S	7440-36-0	Antimony	LT 1	UGG	V		
								7440-38-2	Arsenic	LT 5	UGG	V		
								7440-41-7	Beryllium	LT 1	UGG	V		
								7440-43-9	Cadmium	LT 1	UGG	V		
							ICP1/S	7429-90-5	Aluminum	LT 1	UGG	V		
								7439-89-6	Iron	21800	UGG	VB		
								7439-95-4	Magnesium	27900	UGG	VB		
								7439-96-5	Manganese	22500	UGG	V		
								7440-02-0	Nickel	980	UGG	VB		
								7440-09-7	Potassium	35.4	UGG	V		
								7440-22-4	Silver	LT 1000	UGG	V		
								7440-23-5	Sodium	LT 2	UGG	V		
								7440-39-3	Barium	LT 1000	UGG	V		
								7440-47-3	Chromium	154	UGG	V		
								7440-48-4	Cobalt	28.3	UGG	V		
								7440-50-8	Copper	18.4	UGG	V		
								7440-62-2	Vanadium	56.3	UGG	V		
								7440-66-6	Zinc	71.4	UGG	V		
								7440-70-2	Calcium	63.8	UGG	V		
							SMV2/S	100-01-6	4-Nitroaniline	1.02 E 5	UGG	V		
								100-02-7	4-Nitrophenol	LT .8	UGG	V		
								105-67-9	2,4-Dimethylphenol	LT .8	UGG	V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG	V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG	V		
								106-47-8	4-Chloroaniline	LT .33	UGG	V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG	V		
								108-95-2	Phenol / Carboic acid / Phenic acid	LT .33	UGG	V		
									/ Phenylc acid / Phe*	LT .33	UGG	V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG	V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG	V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG	V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG	V		
								118-74-1	Hexachlorobenzene	LT .33	UGG	V		
								120-12-7	Anthracene	LT .33	UGG	V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG	V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG	V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG	V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG	V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-01	S090101X	1.0	19-NOV-96	RL	52678-11	SW2/S	131-11-3 132-64-9 1610-18-0	Dimethyl phthalate Dibenzofuran 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato*	LT .33 LT .33 LT .15	UGG V UGG V UGG VS		
								191-24-2 193-39-5 205-99-2	Benzo[ghi]perylene Indeno[1,2,3-c,d]pyrene Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .6 LT .5 LT .33	UGG V UGG V UGG V		
								206-44-0 207-08-9 208-96-8 218-01-9 50-32-8 51-28-5 53-70-3	Fluoranthene Benzo[k]fluoranthene Acenaphthylene Chrysene Benzo[a]pyrene 2,4-Dinitrophenol Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .33 LT .5 LT .33 LT .33 LT .33 LT .8 LT .6	UGG V UGG V UGG V UGG V UGG V UGG V UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1 56-55-3 59-50-7	1,3-Dichlorobenzene Benzo[a]anthracene 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33 LT .33 LT .33	UGG V UGG V UGG V		
								593-45-3 606-20-2 621-64-7 67-72-1 77-47-4 78-59-1 83-32-9 84-66-2 84-74-2 85-01-8 85-68-7 86-30-6 86-73-7 86-74-8 87-68-3	Octadecane 2,6-Dinitrotoluene N-Nitrosodi-n-propylamine Hexachloroethane Hexachlorocyclopentadiene Isophorone Acenaphthene Diethyl phthalate Di-n-butyl phthalate Phenanthrene Butylbenzyl phthalate N-Nitrosodiphenylamine Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3-butadiene	.21 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33	UGG VS UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V		
								87-86-5 88-06-2 88-74-4 88-75-5 91-20-3 91-57-6	Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitroaniline 2-Nitrophenol Naphthalene / Tar camphor 2-Methylnaphthalene	LT .8 LT .33 LT .8 LT .33 LT .33 LT .33	UGG V UGG V UGG V UGG V UGG V UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation : Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-01	S090101X	1.0	19-NOV-96	RL	52678-11	SNW2/S	91-58-7 91-94-1 95-48-7 95-50-1 95-57-8 95-95-4 98-95-3  99-09-2	2-Chloronaphthalene	LT .33	UGG V		
									3,3'-Dichlorobenzidine	LT .8	UGG V		
									o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
									1,2-Dichlorobenzene	LT .33	UGG V		
									2-Chlorophenol	LT .33	UGG V		
									2,4,5-Trichlorophenol	LT .8	UGG V		
									Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
									3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	6	UGG VB		
									Unknown compound 551	.1	UGG VB		
									Unknown compound 591	.1	UGG V		
									Unknown compound 605	.1	UGG V		
									Unknown compound 606	.3	UGG VD		
									Unknown compound 613	.3	UGG VB		
									Unknown compound 614	.2	UGG V		
									Unknown compound 615	.3	UGG VB		
									Unknown compound 623	.5	UGG VB		
SS-09-02	S090201X	1.0	19-NOV-96	RL	52678-12	DRO /S GPB1/S GRO /S GSE1/S GTL1/S HGC1/S ICM1/S   <							

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-02	S090201X	1.0	19-NOV-96	RL	52678-12	ICP1/S	7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	6120	UGG V		
								7440-39-3	Barium	159	UGG V		
								7440-47-3	Chromium	41.7	UGG V		
								7440-48-4	Cobalt	21.1	UGG V		
								7440-50-8	Copper	68.5	UGG V		
								7440-62-2	Vanadium	129	UGG V		
								7440-66-6	Zinc	54.7	UGG V		
								7440-70-2	Calcium	57800	UGG V		
							SHV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-c,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-02	S090201X	1.0	19-NOV-96	RL	52678-12	SMV2/S	541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	6	UGG VB		
									Unknown compound 551	9 E -2	UGG VB		
									Unknown compound 606	9 E -2	UGG VB		
									Unknown compound 614	.1	UGG VB		
									Unknown compound 615	.4	UGG VB		
									Unknown compound 623	7	UGG VB		
									Unknown compound 637	.3	UGG VBD		
									Unknown compound 637	.8	UGG VB		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-02	S090201X	1.0	19-NOV-96	RL 52678-12	SHV2/S	7439-92-1	Unknown compound 660	1	UGG V		
	SS-LE-01	SLE0101X	1.0	19-NOV-96	RL 52678-07	GP81/S		Diesel range organics	8.95	UGG V		
						GRO /S		Lead	79	UGG BV		
								Gasoline range organics	LT .5	UGG V		
						GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
						GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
						HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
						ICH1/S	7440-36-0	Antimony	LT 1	UGG V		
							7440-38-2	Arsenic	LT 5	UGG V		
							7440-41-7	Beryllium	LT 1	UGG V		
							7440-43-9	Cadmium	LT 1	UGG V		
						ICP1/S	7429-90-5	Aluminum	4200	UGG V8		
							7439-89-6	Iron	6800	UGG V8		
							7439-95-4	Magnesium	11000	UGG V		
							7439-96-5	Manganese	230	UGG V8		
							7440-02-0	Nickel	LT 16	UGG V		
							7440-09-7	Potassium	LT 2000	UGG V		
							7440-22-4	Silver	LT 4	UGG V		
							7440-23-5	Sodium	LT 2000	UGG V		
							7440-39-3	Barium	LT 80	UGG V		
							7440-47-3	Chromium	LT 6	UGG V		
							7440-48-4	Cobalt	LT 20	UGG V		
							7440-50-8	Copper	LT 10	UGG V		
							7440-62-2	Vanadium	LT 20	UGG V		
							7440-66-6	Zinc	140	UGG V		
						SHV2/S	7440-70-2	Calcium	3.6 E 5	UGG V		
							100-01-6	4-Nitroaniline	LT .8	UGG V		
							100-02-7	4-Nitrophenol	LT .8	UGG V		
							105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
							106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
							106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
							106-47-8	4-Chloroaniline	LT .33	UGG V		
							108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
							108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
							111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
							111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
							117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
							117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
							118-74-1	Hexachlorobenzene	LT .33	UGG V		
							120-12-7	Anthracene	LT .33	UGG V		
							120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
							120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
							121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-01	SLE0101X	1.0	19-NOV-96	RL	52678-07	SNV2/S	129-00-0 131-11-3 132-64-9 191-24-2 193-39-5 205-99-2	Benzo[def]phenanthrene / Pyrene Dimethyl phthalate Dibenzofuran Benzo[ghi]perylene Indeno[1,2,3-C,D]pyrene Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33 LT .33 LT .33 LT .6 LT .5 LT .33	UGG V UGG V UGG V UGG V UGG V UGG V			
								206-44-0 207-08-9 208-96-8 218-01-9 50-32-8 51-28-5 53-70-3	Fluoranthene Benzo[k]fluoranthene Acenaphthylene Chrysene Benzo[a]pyrene 2,4-Dinitrophenol Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .33 LT .5 LT .33 LT .33 LT .33 LT .8 LT .6	UGG V UGG V UGG V UGG V UGG V UGG V UGG V			
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V			
								541-73-1 56-55-3 59-50-7	1,3-Dichlorobenzene Benzo[a]anthracene 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33 LT .33 LT .33	UGG V UGG V UGG V			
								606-20-2 621-64-7 67-72-1 72-54-8	2,6-Dinitrotoluene N-Nitrosodi-n-propylamine Hexachloroethane ppDDD / 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane / Rhoth*	LT .33 LT .33 LT .33 .19	UGG V UGG V UGG V UGG VS			
								72-55-9	2,2-Bis(p-chlorophenyl)-1,1-dichloroethene	.55	UGG VS			
								77-47-4 78-59-1 83-32-9 84-66-2 84-74-2 85-01-8 85-68-7 86-30-6 86-73-7 86-74-8 87-68-3	Hexachlorocyclopentadiene Isophorone Acenaphthene Diethyl phthalate Di-n-butyl phthalate Phenanthrene Butylbenzyl phthalate N-Nitrosodiphenylamine Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33 LT .33	UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V UGG V			
								87-86-5 88-06-2 88-74-4 88-75-5	Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitroaniline 2-Nitrophenol	LT .8 LT .33 LT .8 LT .33	UGG V UGG V UGG V UGG V			

\* - Analyte Description has been truncated. See Data Dictionary

**Final Documentation Appendix Report**  
**Installation :Fort Allen, Puerto Rico (FN)**  
**File Type: CSO**

Sampling Date Range: 01-JAN-75 28-JAN-97

[illegible]



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-02	SLE0201X	1.0	19-NOV-96	RL	52678-08	ICP1/S	7440-50-8	Copper	83.2	UGG V		
								7440-62-2	Vanadium	36.4	UGG V		
								7440-66-6	Zinc	697	UGG V		
							SMV2/S	7440-70-2	Calcium	1.98 E 5	UGG V		
								100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								573-98-8	1,2-Dimethylnaphthalene	.15	UGG VS		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo	Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-02	SLE0201X	1.0	19-NOV-96	RL	52678-08	SNV2/S	606-20-2	2,6-Dinitrotoluene	LT	.33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT	.33	UGG V		
								67-72-1	Hexachloroethane	LT	.33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT	.33	UGG V		
								78-59-1	Isophorone	LT	.33	UGG V		
								83-32-9	Acenaphthene	LT	.33	UGG V		
								84-66-2	Diethyl phthalate	LT	.33	UGG V		
								84-74-2	Phenanthrene	LT	.33	UGG V		
								85-01-8	Butylbenzyl phthalate	LT	.33	UGG V		
								85-68-7	N-Nitrosodiphenylamine	LT	.33	UGG V		
								86-30-6	Fluorene / 9H-Fluorene	LT	.33	UGG V		
								86-73-7	Carbazole / 9H-Carbazole	LT	.33	UGG V		
								86-74-8	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT	.33	UGG V		
								87-68-3						
								87-86-5	Pentachlorophenol	LT	.8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT	.33	UGG V		
								88-74-4	2-Nitroaniline	LT	.8	UGG V		
								88-75-5	2-Nitrophenol	LT	.33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT	.33	UGG V		
								91-57-6	2-Methylnaphthalene	LT	.33	UGG V		
								91-58-7	2-Chloronaphthalene	LT	.33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT	.8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT	.33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT	.33	UGG V		
								95-57-8	2-Chlorophenol	LT	.33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT	.8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT	.33	UGG V		
								99-09-2	3-Nitroaniline	LT	.8	UGG V		
									4-Bromophenyl phenyl ether	LT	.33	UGG V		
									4-Chlorophenyl phenyl ether	LT	.33	UGG V		
									Unknown compound 539			UGG VB		
									Unknown compound 551		8 E -2	UGG VB		
									Unknown compound 594		7 E -2	UGG V		
									Unknown compound 606		.2	UGG VB		
									Unknown compound 614		.2	UGG VB		
									Unknown compound 615		.5	UGG VB		
									Unknown compound 618		.1	UGG V		
									Unknown compound 623		7	UGG VB		
									Unknown compound 630		.3	UGG VBD		
									Unknown compound 637		8 E -2	UGG VB		
									Unknown compound 659		1	UGG VB		
											.2	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-02	SLE0201X	1.0	19-NOV-96	RL	52678-08	SNV2/S		Unknown compound 663	8 E -2	UGG	V		
	SS-M9-01	SM90101X	1.0	19-NOV-96	RL	52678-13	DRO /S		Unknown compound 668	8 E -2	UGG	V		
									Diesel range organics	1260	UGG	V		
									Lead	25	UGG	BV		
								7439-92-1	Gasoline range organics	10.6	UGG	V		
									Selenium	LT 1	UGG	V		
								7782-49-2	Thallium	LT 2	UGG	V		
								7440-28-0	Mercury	LT .2	UGG	V		
								7439-97-6	Antimony	LT 1	UGG	V		
								7440-36-0	Arsenic	LT 5	UGG	V		
								7440-38-2	Beryllium	LT 1	UGG	V		
								7440-41-7	Cadmium	LT 1	UGG	V		
								7440-43-9	Aluminum	LT 1	UGG	V		
								7429-90-5	Iron	15300	UGG	V		
								7439-89-6	Magnesium	23500	UGG	VB		
								7439-95-4	Manganese	11500	UGG	V		
								7439-96-5	Nickel	698	UGG	VB		
								7440-02-0	Potassium	25.4	UGG	V		
								7440-09-7	Silver	LT 1000	UGG	V		
								7440-22-4	Sodium	LT 2	UGG	V		
								7440-23-5	Barium	LT 1000	UGG	V		
								7440-39-3	Chromium	66.8	UGG	V		
								7440-47-3	Cobalt	20	UGG	V		
								7440-48-4	Copper	13.1	UGG	V		
								7440-50-8	Vanadium	34.1	UGG	V		
								7440-62-2	Zinc	72	UGG	V		
								7440-66-6	Calcium	67.8	UGG	V		
								7440-70-2	4-Nitroaniline	74200	UGG	V		
							SMV2/S	100-01-6	4-Nitrophenol	LT 3	UGG	V		
								100-02-7	2,4-Dimethylphenol	LT 3	UGG	V		
								105-67-9	p-Cresol / 4-Cresol / 4-Methylphenol	LT 1	UGG	V		
								106-44-5	1,4-Dichlorobenzene	LT 1	UGG	V		
								106-46-7	4-Chloroaniline	LT 1	UGG	V		
								106-47-8	Bis(2-chloroisopropyl) ether	LT 1	UGG	V		
								108-60-1	Phenol / Carbolic acid / Phenic acid	LT 1	UGG	V		
								108-95-2	/ Phenylc acid / Phe*	LT 1	UGG	V		
								111-44-4	Bis(2-chloroethyl) ether	LT 1	UGG	V		
								111-91-1	Bis(2-chloroethoxy) methane	LT 1	UGG	V		
								112-95-8	Eicosane	5	UGG	VS		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 1	UGG	V		
								117-84-0	Di-n-octyl phthalate	LT 2	UGG	V		
								118-74-1	Hexachlorobenzene	LT 1	UGG	V		
								120-12-7	Anthracene	LT 1	UGG	V		
								120-82-1	1,2,4-Trichlorobenzene	LT 1	UGG	V		

28-JAN-97

10:31:44

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-M9-01	SM90101X	1.0	19-NOV-96	RL 52678-13		SMW2/S	120-83-2	2,4-Dichlorophenol	LT 1	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT 1	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 1	UGG V		
								131-11-3	Dimethyl phthalate	LT 1	UGG V		
								132-64-9	Dibenzofuran	LT 1	UGG V		
								191-24-2	Benzo[ghi]perylene	LT 2	UGG V		
								1921-70-6	2,6,10,14-Tetramethylpentadecane	LT 2	UGG VS		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 2	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 1	UGG V		
								206-44-0	Fluoranthene	LT 1	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT 2	UGG V		
								208-96-8	Acenaphthylene	LT 1	UGG V		
								218-01-9	Chrysene	LT 1	UGG V		
								50-32-8	Benzo[a]pyrene	LT 1	UGG V		
								51-28-5	2,4-Dinitrophenol	LT 3	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 2	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 4	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT 1	UGG V		
								544-76-3	Hexadecane	10	UGG VS		
								56-55-3	Benzo[a]anthracene	LT 1	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 1	UGG V		
								593-45-3	Octadecane	9	UGG VS		
								606-20-2	2,6-Dinitrotoluene	5	UGG VSD		
								621-64-7	N-Nitrosodi-n-propylamine	LT 1	UGG V		
								629-50-5	Tridecane	LT 1	UGG V		
								629-59-4	Tetradecane	9	UGG VS		
								629-78-7	Heptadecane	9	UGG VS		
								629-92-5	Nonadecane	9	UGG VS		
								629-94-7	Heneicosane	9	UGG VS		
								638-67-5	Tricosane / n-Tricosane	5	UGG VS		
								67-72-1	Hexachloroethane	9	UGG VS		
								77-47-4	Hexachlorocyclopentadiene	LT 1	UGG V		
								78-59-1	Isophorone	LT 1	UGG V		
								83-32-9	Acenaphthene	LT 1	UGG V		
								84-66-2	Diethyl phthalate	LT 1	UGG V		
								84-74-2	Di-n-butyl phthalate	LT 1	UGG V		
								85-01-8	Phenanthrene	LT 1	UGG V		
								85-68-7	Butylbenzyl phthalate	LT 1	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT 1	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-M9-01	SM90101X	1.0	19-NOV-96	RL	52678-13	SMV2/S	86-73-7	Fluorene / 9H-Fluorene	LT 1	UGG	V		
								86-74-8	Carbazole / 9H-Carbazole	LT 1	UGG	V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 1	UGG	V		
								87-86-5	Pentachlorophenol	LT 3	UGG	V		
								88-06-2	2,4,6-Trichlorophenol	LT 1	UGG	V		
								88-74-4	2-Nitroaniline	LT 3	UGG	V		
								88-75-5	2-Nitrophenol	LT 1	UGG	V		
								91-20-3	Naphthalene / Tar camphor	LT 1	UGG	V		
								91-57-6	2-Methylnaphthalene	LT 1	UGG	V		
								91-58-7	2-Chloronaphthalene	LT 1	UGG	V		
								91-94-1	3,3'-Dichlorobenzidine	LT 3	UGG	V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 1	UGG	V		
								95-50-1	1,2-Dichlorobenzene	LT 1	UGG	V		
								95-57-8	2-Chlorophenol	LT 1	UGG	V		
								95-95-4	2,4,5-Trichlorophenol	LT 3	UGG	V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 1	UGG	V		
								99-09-2	3-Nitroaniline	LT 3	UGG	V		
									4-Bromophenyl phenyl ether	LT 1	UGG	V		
									4-Chlorophenyl phenyl ether	LT 1	UGG	V		
									Unknown compound 539	4	UGG	VB		
								Unknown compound 563	5	UGG	V			
								Unknown compound 564	3	UGG	V			
								Unknown compound 566	3	UGG	V			
								Unknown compound 567	4	UGG	V			
								Unknown compound 574	5	UGG	V			
								Unknown compound 580	2	UGG	V			
									.6	UGG	VBD			
								Unknown compound 586	3	UGG	V			
								Unknown compound 592	1	UGG	V			
								Unknown compound 596	1	UGG	V			
								Unknown compound 603	1	UGG	V			
								Unknown compound 623	1	UGG	VB			
									1	UGG	VBD			
								Diesel range organics	16	UGG	V			
								Lead	22.6	UGG	BV			
								Gasoline range organics	LT .5	UGG	V			
								Selenium	LT 1	UGG	V			
								Thallium	LT 2	UGG	V			
								Mercury	LT .2	UGG	V			
								Antimony	LT 1	UGG	V			
Arsenic	LT 5	UGG	V											
	LT 1	UGG	V											

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals	
PLUG	SS-WJ-01	SHW0102X	2.0	19-NOV-96	RL	52678-10	ICM1/S ICP1/S	7440-43-9	Cadmium	LT 1	UGG V			
								7429-90-5	Aluminum	26300	UGG VB			
								7439-89-6	Iron	40000	UGG VB			
								7439-95-4	Magnesium	15300	UGG V			
								7439-96-5	Manganese	1100	UGG VB			
								7440-02-0	Nickel	46.8	UGG V			
								7440-09-7	Potassium	3410	UGG V			
								7440-22-4	Silver	LT 2	UGG V			
								7440-23-5	Sodium	LT 1000	UGG V			
								7440-39-3	Barium	121	UGG V			
								7440-47-3	Chromium	49.2	UGG V			
								7440-48-4	Cobalt	24.5	UGG V			
								7440-50-8	Copper	53.7	UGG V			
								7440-62-2	Vanadium	128	UGG V			
								7440-66-6	Zinc	69.2	UGG V			
								7440-70-2	Calcium	38500	UGG V			
								SNV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
									100-02-7	4-Nitrophenol	LT .8	UGG V		
									105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
									106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
									106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
									106-47-8	4-Chloroaniline	LT .33	UGG V		
									108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
									108-95-2	Phenol / Carbollic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
									111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
									111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
									117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
									117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
									118-74-1	Hexachlorobenzene	LT .33	UGG V		
									120-12-7	Anthracene	LT .33	UGG V		
									120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
									120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
									121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
									129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
									131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V			
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V			
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V			
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V			
								206-44-0	Fluoranthene	LT .33	UGG V			
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V			
208-96-8	Acenaphthylene	LT .33	UGG V											

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-WW-01	SMW0102X	2.0	19-NOV-96	RL 52678-10	SMV2/S	218-01-9	Chrysene	LT .33	UGG V		
							50-32-8	Benzo[a]pyrene	LT .33	UGG V		
							51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
							53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
							534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
							541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
							56-55-3	Benzo[a]anthracene	LT .33	UGG V		
							59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
							606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
							621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
							67-72-1	Hexachloroethane	LT .33	UGG V		
							77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
							78-59-1	Isophorone	LT .33	UGG V		
							83-32-9	Acenaphthene	LT .33	UGG V		
							84-66-2	Diethyl phthalate	LT .33	UGG V		
							84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
							85-01-8	Phenanthrene	LT .33	UGG V		
							85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
							86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
							86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
							86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
							87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
							87-86-5	Pentachlorophenol	LT .8	UGG V		
							88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
							88-74-4	2-Nitroaniline	LT .8	UGG V		
							88-75-5	2-Nitrophenol	LT .33	UGG V		
							91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
							91-57-6	2-Methylnaphthalene	LT .33	UGG V		
							91-58-7	2-Chloronaphthalene	LT .33	UGG V		
							91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
							95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
							95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
							95-57-8	2-Chlorophenol	LT .33	UGG V		
							95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
							98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
							99-09-2	3-Nitroaniline	LT .8	UGG V		
								4-Bromophenyl phenyl ether	LT .33	UGG V		
								4-Chlorophenyl phenyl ether	LT .33	UGG V		
								Unknown compound 539	6	UGG VB		

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

10:31:44

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)

File Type: CSO

Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-WW-01	SMM0102X	2.0	19-NOV-96	RL 52678-10	SMV2/S		Unknown compound 551	.1	UGG VB		
								Unknown compound 606	.2	UGG VB		
								Unknown compound 614	.3	UGG VB		
								Unknown compound 615	.5	UGG VB		
								Unknown compound 623	7	UGG VB		
								Unknown compound 630	.3	UGG VB		
								Unknown compound 637	.1	UGG VB		
								Unknown compound 640	2	UGG VB		
								Unknown compound 660	9 E -2	UGG V		
								Unknown compound 671	1	UGG V		
									.2	UGG V		

\*\* End of Report - 626 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary



**SOIL BORINGS - SUBSURFACE SOIL**

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**ABB Environmental Services, Inc.**

## 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals																																																																																																																																												
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	DRO /S	7439-92-1	Diesel range organics	LT 4	UGG	V																																																																																																																																														
									Lead																																																																																																																																																	
									Gasoline range organics																																																																																																																																																	
									BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	GRO /S	7782-49-2	Selenium	LT .5	UGG	V																																																																																																																																
																							Thallium																																																																																																																																			
																							Mercury																																																																																																																																			
																							BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	HGC1/S	7439-97-6	Antimony	LT 2	UGG	V																																																																																																																		
																																					Arseenic																																																																																																																					
																																					Beryllium																																																																																																																					
																																					BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICM1/S	7440-36-0	Cadmium	LT 2	UGG	V																																																																																																				
																																																			Aluminium																																																																																																							
																																																			Iron																																																																																																							
																																																			BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	Magnesium	LT .2	UGG	V																																																																																						
																																																																	Manganese																																																																																									
																																																																	Nickel																																																																																									
																																																																	BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	Potassium	LT .2	UGG	V																																																																								
																																																																															Silver																																																																											
																																																																															Sodium																																																																											
																																																																															BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	Barium	LT .2	UGG	V																																																										
																																																																																													Chromium																																																													
																																																																																													Cobalt																																																													
																																																																																													BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	Copper	LT .2	UGG	V																																												
																																																																																																											Vanadium																																															
																																																																																																											Zinc																																															
																																																																																																											BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	Calcium	LT .2	UGG	V																														
																																																																																																																									4-Nitroaniline																																	
																																																																																																																									4-Nitrophenol																																	
																																																																																																																									BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	2,4-Dimethylphenol	LT .8	UGG	V																
																																																																																																																																							p-Cresol / 4-Cresol / 4-Methylphenol																			
																																																																																																																																							1,4-Dichlorobenzene																			
																																																																																																																																							BORE						SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9	4-Chloroaniline	LT .33	UGG	V		
																																																																																																																																																					Bis(2-chloroisopropyl) ether					
Phenol / Carboic acid / Phenic acid																																																																																																																																																										
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9		Phenvlic acid / Phe*	LT .33	UGG	V																																																																																																																																													
									BORE	SB-08-01					B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9			LT .33	UGG	V																																																																																																																																
																						BORE	SB-08-01						B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9			LT .33	UGG	V																																																																																																																		
																																				BORE	SB-08-01						B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9			LT .33	UGG	V																																																																																																				
																																																		BORE	SB-08-01						B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9			LT .33	UGG	V																																																																																						
																																																																BORE	SB-08-01						B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9			LT .33	UGG	V																																																																								
																																																																														BORE	SB-08-01						B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S	7440-43-9			LT .33	UGG	V																																																										
																																																																																												BORE	SB-08-01						B080112X	12.0	19-NOV-96	RL	52678-01	ICP1/S</																																																		

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	8080112X	12.0	19-NOV-96	RL	52678-01	SNV2/S	111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG	V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG	V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG	V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG	V		
								118-74-1	Hexachlorobenzene	LT .33	UGG	V		
								120-12-7	Anthracene	LT .33	UGG	V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG	V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG	V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG	V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG	V		
								131-11-3	Dimethyl phthalate	LT .33	UGG	V		
								132-64-9	Dibenzofuran	LT .33	UGG	V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG	V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG	V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG	V		
								206-44-0	Fluoranthene	LT .33	UGG	V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG	V		
								208-96-8	Acenaphthylene	LT .33	UGG	V		
								218-01-9	Chrysene	LT .33	UGG	V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG	V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG	V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG	V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG	V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG	V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG	V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>o</sup>	LT .33	UGG	V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG	V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG	V		
								67-72-1	Hexachloroethane	LT .33	UGG	V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG	V		
								78-59-1	Isophorone	LT .33	UGG	V		
								83-32-9	Acenaphthene	LT .33	UGG	V		
								84-66-2	Diethyl phthalate	LT .33	UGG	V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG	V		
								85-01-8	Phenanthrene	LT .33	UGG	V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG	V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG	V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG	V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG	V		
								87-68-3						

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	SMV2/S	87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	9 E -2	UGG V		
									Unknown compound 539	6	UGG VB		
									Unknown compound 551	.1	UGG VB		
									Unknown compound 614	8 E -2	UGG VB		
									Unknown compound 615	.2	UGG VB		
									Unknown compound 623	4	UGG VB		
									Unknown compound 637	.2	UGG VBD		
SB-08-02	B080212X		12.0	19-NOV-96	RL	52678-02	DRO /S	7439-92-1	Unknown compound 637	1	UGG VB		
							GPB1/S		Diesel range organics	LT 4	UGG V		
							GRO /S		Lead	2.13	UGG BV		
							GSE1/S		Gasoline range organics	LT .5	UGG V		
							GTL1/S	7782-49-2	Selenium	LT 1	UGG V		
							HGC1/S	7440-28-0	Thallium	LT 2	UGG V		
							ICM1/S	7439-97-6	Mercury	LT .2	UGG V		
								7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	2.32	UGG V		
								7440-41-7	Beryllium	.428	UGG V		
								7440-43-9	Cadmium	LT .2	UGG V		
							ICP1/S		Aluminum	24300	UGG VB		
								7429-90-5	Iron	40700	UGG VB		
								7439-89-6	Magnesium	17800	UGG V		
								7439-95-4	Manganese	1410	UGG VB		
								7439-96-5	Nickel	45.7	UGG V		
								7440-02-0	Potassium	LT 1000	UGG V		
								7440-09-7	Silver	LT 2	UGG V		
								7440-22-4					

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
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Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	S8-08-02	B080212X	12.0	19-NOV-96	RL	52678-02	ICP1/S	7440-23-5	Sodium	4500	UGG V	---	---
								7440-39-3	Barium	169	UGG V	---	---
								7440-47-3	Chromium	48.8	UGG V	---	---
								7440-48-4	Cobalt	26.2	UGG V	---	---
								7440-50-8	Copper	56.2	UGG V	---	---
								7440-62-2	Vanadium	131	UGG V	---	---
								7440-66-6	Zinc	67.7	UGG V	---	---
								7440-70-2	Calcium	13600	UGG V	---	---
							SNV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V	---	---
								100-02-7	4-Nitrophenol	LT .8	UGG V	---	---
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V	---	---
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V	---	---
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V	---	---
								106-47-8	4-Chloroaniline	LT .33	UGG V	---	---
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V	---	---
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phex	LT .33	UGG V	---	---
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V	---	---
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V	---	---
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V	---	---
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V	---	---
								118-74-1	Hexachlorobenzene	LT .33	UGG V	---	---
								120-12-7	Anthracene	LT .33	UGG V	---	---
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V	---	---
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V	---	---
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V	---	---
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V	---	---
								131-11-3	Dimethyl phthalate	LT .33	UGG V	---	---
								132-64-9	Dibenzofuran	LT .33	UGG V	---	---
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V	---	---
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V	---	---
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V	---	---
								206-44-0	Fluoranthene	LT .33	UGG V	---	---
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V	---	---
								208-96-8	Acenaphthylene	LT .33	UGG V	---	---
								218-01-9	Chrysene	LT .33	UGG V	---	---
								50-32-8	Benzo[a]pyrene	LT .33	UGG V	---	---
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V	---	---
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V	---	---
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V	---	---
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V	---	---

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-02	B080212X	12.0	19-NOV-96	RL 52678-02	SMV2/S	56-55-3 59-50-7	Benzofalanthracene 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33 LT .33	UGG V UGG V		
							606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
							621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
							67-72-1	Hexachloroethane	LT .33	UGG V		
							77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
							78-59-1	Isophorone	LT .33	UGG V		
							83-32-9	Acenaphthene	LT .33	UGG V		
							84-66-2	Diethyl phthalate	LT .33	UGG V		
							84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
							85-01-8	Phenanthrene	LT .33	UGG V		
							85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
							86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
							86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
							86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
							87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
							87-86-5	Pentachlorophenol	LT .8	UGG V		
							88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
							88-74-4	2-Nitroaniline	LT .8	UGG V		
							88-75-5	2-Nitrophenol	LT .33	UGG V		
							91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
							91-57-6	2-Methylnaphthalene	LT .33	UGG V		
							91-58-7	2-Chloronaphthalene	LT .33	UGG V		
							91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
							95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
							95-50-1	1,2-Dichlorophenol	LT .33	UGG V		
							95-57-8	2-Chlorophenol	LT .33	UGG V		
							95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
							98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
							99-09-2	3-Nitroaniline	LT .8	UGG V		
								4-Bromophenyl phenyl ether	LT .33	UGG V		
								4-Chlorophenyl phenyl ether	LT .33	UGG V		
								Unknown compound 539	6	UGG VB		
								Unknown compound 548	.1	UGG V		
								Unknown compound 549	9 E -2	UGG V		
								Unknown compound 551	9 E -2	UGG VB		
								Unknown compound 606	.1	UGG VB		
								Unknown compound 614	.1	UGG VB		
								Unknown compound 615	.4	UGG VB		
								Unknown compound 623	6	UGG VB		
									.4	UGG VBD		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-02	8080212X	12.0	19-NOV-96	RL	52678-02	SHV2/S		Unknown compound 637	1	UGG VB		
	SB-09-01	8090112X	12.0	18-NOV-96	RL	52678-14	DR0 /S		Diesel range organics	6.71	UGG V		
							GP81/S	7439-92-1	Lead	2.92	UGG BV		
							GR0 /S		Gasoline range organics	LT .5	UGG V		
							GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
							HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT 1	UGG V		
								7440-38-2	Arsenic	LT 5	UGG V		
								7440-41-7	Beryllium	LT 1	UGG V		
								7440-43-9	Cadmium	LT 1	UGG V		
							ICP1/S	7429-90-5	Aluminum	25200	UGG VB		
								7439-89-6	Iron	33800	UGG VB		
								7439-95-4	Magnesium	20600	UGG V		
								7439-96-5	Manganese	846	UGG VB		
								7440-02-0	Nickel	31.4	UGG V		
								7440-09-7	Potassium	1660	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	LT 1000	UGG V		
								7440-39-3	Barium	132	UGG V		
								7440-47-3	Chromium	36.6	UGG V		
								7440-48-4	Cobalt	24.8	UGG V		
								7440-50-8	Copper	55.2	UGG V		
								7440-62-2	Vanadium	114	UGG V		
								7440-66-6	Zinc	58.5	UGG V		
								7440-70-2	Calcium	23200	UGG V		
							SHV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carbolic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	.46	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-01	B090112X	12.0	18-NOV-96	RL	52678-14	SMV2/S	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								1610-18-0	2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato*	.32	UGG VS		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 - 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
BORE	SB-09-01	B090112X	12.0	18-NOV-96	RL	52678-14	SHV2/S	91-58-7	2-Chloronaphthalene	LT .33	UGG	V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG	V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG	V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG	V		
								95-57-8	2-Chlorophenol	LT .33	UGG	V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG	V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG	V		
								99-09-2	3-Nitroaniline	LT .8	UGG	V		
									4-Bromophenyl phenyl ether	LT .33	UGG	V		
									4-Chlorophenyl phenyl ether	LT .33	UGG	V		
									Unknown compound 537	.1	UGG	V		
									Unknown compound 539	7	UGG	VB		
									Unknown compound 548	9 E -2	UGG	V		
									Unknown compound 549	.1	UGG	V		
Unknown compound 551	.1	UGG	VB											
SB-09-02	B090212X	12.0	18-NOV-96	RL	52678-15	GR0 /S	DRO /S	Unknown compound 607	.1	UGG	VB			
								Unknown compound 614	.2	UGG	VB			
								Unknown compound 615	.5	UGG	VB			
								Unknown compound 623	7	UGG	VB			
								Unknown compound 637	.4	UGG	VB8D			
								Unknown compound 637	1	UGG	VB			
								Gasoline range organics	LT .5	UGG	V			
								Diesel range organics	LT 4	UGG	V			
								Lead	2.71	UGG	BV			
								Selenium	LT 1	UGG	V			
								Thallium	LT 2	UGG	V			
								Mercury	LT .2	UGG	V			
								Antimony	LT 1	UGG	V			
								Arsenic	LT 5	UGG	V			
Beryllium	LT 1	UGG	V											
Cadmium	LT 1	UGG	V											
Aluminum	20800	UGG	VB											
Iron	29800	UGG	VB											
Magnesium	16800	UGG	V											
Manganese	2080	UGG	VB											
Nickel	34.3	UGG	V											
Potassium	LT 1000	UGG	V											
Silver	LT 2	UGG	V											
Sodium	LT 1000	UGG	V											
Barium	337	UGG	V											
Chromium	29.6	UGG	V											
Cobalt	24.2	UGG	V											
Copper	49.9	UGG	V											

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	B090212X	12.0	18-NOV-96	RL 52678-15		ICP1/S	7440-62-2	Vanadium	95.4	UGG	V		
							SMV2/S	7440-66-6	Zinc	51.9	UGG	V		
								7440-70-2	Calcium	89500	UGG	V		
								100-01-6	4-Nitroaniline	LT .8	UGG	V		
								100-02-7	4-Nitrophenol	LT .8	UGG	V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG	V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG	V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG	V		
								106-47-8	4-Chloroaniline	LT .33	UGG	V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG	V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG	V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG	V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG	V		
								117-81-7	Bis(2-ethylhexyl) phthalate	.58	UGG	V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG	V		
								118-74-1	Hexachlorobenzene	LT .33	UGG	V		
								120-12-7	Anthracene	LT .33	UGG	V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG	V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG	V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG	V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG	V		
								131-11-3	Dimethyl phthalate	LT .33	UGG	V		
								132-64-9	Dibenzofuran	LT .33	UGG	V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG	V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG	V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG	V		
								206-44-0	Fluoranthene	LT .33	UGG	V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG	V		
								208-96-8	Acenaphthylene	LT .33	UGG	V		
								218-01-9	Chrysene	LT .33	UGG	V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG	V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG	V		
								53-70-3	Dibenz[a,h]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG	V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG	V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG	V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG	V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG	V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG	V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG	V		

\* - Analyte Description has been truncated. See Data Dictionary

**Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)**

File Type: CSO

Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Mes Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	B090212X	12.0	18-NOV-96	RL	52678-15	SHV2/S	67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .33	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .8	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	.1	UGG V		
									Unknown compound 539	10	UGG VB		
									Unknown compound 544	8 E -2	UGG V		
									Unknown compound 547	9 E -2	UGG V		
	Unknown compound 548	.1	UGG V										
	Unknown compound 549	.2	UGG VD										
	Unknown compound 551	.1	UGG V										
	Unknown compound 596	.1	UGG VB										
	Unknown compound 606	.2	UGG V										
	Unknown compound 614	.2	UGG VB										
	Unknown compound 615	.3	UGG VB										
	Unknown compound 623	.8	UGG VB										
		8	UGG VB										
		.4	UGG VB0										

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	8090212X	12.0	18-NOV-96	RL	52678-15	SMV2/S		Unknown compound 637	2	UGG VB		
BORE	SB-09-03	8090312X	12.0	18-NOV-96	RL	52678-05	DRO /S		Diesel range organics	LT 4	UGG V		
							GPB1/S	7439-92-1	Lead	2.55	UGG BV		
							GRO /S		Gasoline range organics	LT .5	UGG V		
							GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
							HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	2.4	UGG V		
								7440-41-7	Beryllium	.391	UGG V		
								7440-43-9	Cadmium	LT .2	UGG V		
							ICP1/S	7429-90-5	Aluminum	23700	UGG VB		
								7439-89-6	Iron	37100	UGG VB		
								7439-95-4	Magnesium	18500	UGG V		
								7439-96-5	Manganese	614	UGG VB		
								7440-02-0	Nickel	38	UGG V		
								7440-09-7	Potassium	LT 1000	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	LT 1000	UGG V		
								7440-39-3	Barium	156	UGG V		
								7440-47-3	Chromium	46.5	UGG V		
								7440-48-4	Cobalt	22.1	UGG V		
								7440-50-8	Copper	55.9	UGG V		
								7440-62-2	Vanadium	124	UGG V		
								7440-66-6	Zinc	58.9	UGG V		
							SMV2/S	7440-70-2	Calcium	27000	UGG V		
								100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	S8-09-03	8090312X	12.0	18-NOV-96	RL	52678-05	SMV2/S	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>o</sup>	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isochlorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation : Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
BORE	SB-09-03	B090312X	12.0	18-NOV-96	RL	52678-05	SHW2/S	95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG	V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG	V		
								95-57-8	2-Chlorophenol	LT .33	UGG	V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG	V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG	V		
								99-09-2	3-Nitroaniline	LT .8	UGG	V		
									4-Bromophenyl phenyl ether	LT .33	UGG	V		
									4-Chlorophenyl phenyl ether	LT .33	UGG	V		
									Unknown compound 537	9 E -2	UGG	V		
									Unknown compound 539	6	UGG	VB		
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	DRO /S	GPB1/S	Unknown compound 637	LT 4	UGG	VB			
							GRO /S	Diesel range organics	LT 4	UGG	V			
							GSE1/S	Lead	LT .5	UGG	V			
							GTL1/S	Gasoline range organics	LT 1	UGG	V			
							HGC1/S	Selenium	LT 2	UGG	V			
							ICM1/S	Mercury	LT .2	UGG	V			
								Antimony	LT 1	UGG	V			
								Arsenic	LT 5	UGG	V			
								Beryllium	LT 1	UGG	V			
								Cadmium	LT 1	UGG	V			
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	ICP1/S	7429-90-5	Aluminum	29300	UGG	VB			
							7439-89-6	Iron	44300	UGG	VB			
							7439-95-4	Magnesium	16700	UGG	V			
							7439-96-5	Manganese	1880	UGG	VB			
							7440-02-0	Nickel	23.3	UGG	V			
							7440-09-7	Potassium	LT 1000	UGG	V			
							7440-22-4	Silver	LT 2	UGG	V			
							7440-23-5	Sodium	LT 1000	UGG	V			
							7440-39-3	Barium	401	UGG	V			
							7440-47-3	Chromium	31.5	UGG	V			
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	SHW2/S	7440-48-4	Cobalt	26.2	UGG	V			
							7440-50-8	Copper	49.4	UGG	V			
							7440-62-2	Vanadium	162	UGG	V			
							7440-66-6	Zinc	61.1	UGG	V			
							7440-70-2	Calcium	42900	UGG	V			
							100-01-6	4-Nitroaniline	LT .8	UGG	V			
							100-02-7	4-Nitrophenol	LT .8	UGG	V			
							105-67-9	2,4-Dimethylphenol	LT .33	UGG	V			

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	S8-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	SNV2/S	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carbofic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-M9-01	BH90112X	12.0	19-NOV-96	RL	52678-03	ICP1/S	7440-02-0	Nickel	33.7	UGG V		
								7440-09-7	Potassium	3190	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	4520	UGG V		
								7440-39-3	Barium	95	UGG V		
								7440-47-3	Chromium	49.2	UGG V		
								7440-48-4	Cobalt	20.8	UGG V		
								7440-50-8	Copper	63	UGG V		
								7440-62-2	Vanadium	148	UGG V		
								7440-66-6	Zinc	68.9	UGG V		
								7440-70-2	Calcium	38200	UGG V		
							SHV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	S8-M9-01	BM90112X	12.0	19-NOV-96	RL 52678-03	SMV2/S	534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
							541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
							56-55-3	Benzo[a]anthracene	LT .33	UGG V		
							59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
							606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
							621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
							67-72-1	Hexachloroethane	LT .33	UGG V		
							77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
							78-59-1	Isophorone	LT .33	UGG V		
							83-32-9	Acenaphthene	LT .33	UGG V		
							84-66-2	Diethyl phthalate	LT .33	UGG V		
							84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
							85-01-8	Phenanthrene	LT .33	UGG V		
							85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
							86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
							86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
							86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
							87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
							87-86-5	Pentachlorophenol	LT .8	UGG V		
							88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
							88-74-4	2-Nitroaniline	LT .8	UGG V		
							88-75-5	2-Nitrophenol	LT .33	UGG V		
							91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
							91-57-6	2-Methylnaphthalene	LT .33	UGG V		
							91-58-7	2-Chloronaphthalene	LT .33	UGG V		
							91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
							95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
							95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
							95-57-8	2-Chlorophenol	LT .33	UGG V		
							95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
							98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
							99-09-2	3-Nitroaniline	LT .8	UGG V		
								4-Bromophenyl phenyl ether	LT .33	UGG V		
								4-Chlorophenyl phenyl ether	LT .33	UGG V		
								Unknown compound 537	.1	UGG V		
								Unknown compound 539	7	UGG VB		
								Unknown compound 551	.1	UGG VB		
								Unknown compound 606	.2	UGG VB		
								Unknown compound 614	.2	UGG VB		
								Unknown compound 615	.6	UGG VB		

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-W9-01	BH90112X	12.0	19-NOV-96	RL	52678-03	SMV2/S		Unknown compound 623	9	UGG VB		
									Unknown compound 630	.5	UGG VBD		
									Unknown compound 637	9 E -2	UGG VB		
									Unknown compound 664	1	UGG VB		
									Diesel range organics	9 E -2	UGG V		
									Lead	LT 4	UGG V		
									Gasoline range organics	2.45	UGG BV		
									Selenium	LT .5	UGG V		
									Thallium	LT 1	UGG V		
									Mercury	LT 2	UGG V		
									Antimony	LT .2	UGG V		
									Arsenic	LT 1	UGG V		
									Beryllium	LT 5	UGG V		
									Cadmium	LT 1	UGG V		
									Aluminum	LT 1	UGG V		
									Iron	27100	UGG VB		
									Magnesium	31400	UGG VB		
									Manganese	18400	UGG V		
									Nickel	926	UGG VB		
									Potassium	20.3	UGG V		
									Silver	3080	UGG V		
									Sodium	LT 2	UGG V		
									Barium	4880	UGG V		
									Chromium	114	UGG V		
									Cobalt	29.1	UGG V		
									Copper	16.8	UGG V		
									Vanadium	48.6	UGG V		
									Zinc	122	UGG V		
									Calcium	51.9	UGG V		
									4-Nitroaniline	89400	UGG V		
									4-Nitrophenol	LT .8	UGG V		
									2,4-Dimethylphenol	LT .8	UGG V		
									p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
									1,4-Dichlorobenzene	LT .33	UGG V		
									4-Chloroaniline	LT .33	UGG V		
									Bis(2-chloroisopropyl) ether	LT .33	UGG V		
									Phenol / Carboic acid / Phenic acid	LT .33	UGG V		
									/ Phenylac acid / Phe*	LT .33	UGG V		
									Bis(2-chloroethyl) ether	LT .33	UGG V		
									Bis(2-chloroethoxy) methane	LT .33	UGG V		
									Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
									Di-n-octyl phthalate	LT .5	UGG V		
									Hexachlorobenzene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-PH-01	BPH0107X	7.0	19-NOV-96	RL	52678-04	SMW2/S	120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[a,h]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								72-55-9	2,2-Bis(p-chlorophenyl)-1,1-dichloroethene	.12	UGG VS		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-PH-01	BPH0107X	7.0	19-NOV-96	RL	52678-04	SHV2/S	88-74-4	2-Nitroaniline	LT .8	UGG V	
							88-75-5	2-Nitrophenol	LT .33	UGG V		
							91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
							91-57-6	2-Methylnaphthalene	LT .33	UGG V		
							91-58-7	2-Chloronaphthalene	LT .33	UGG V		
							91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
							95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
							95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
							95-57-8	2-Chlorophenol	LT .33	UGG V		
							95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
							98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
							99-09-2	3-Nitroaniline	LT .8	UGG V		
								4-Bromophenyl phenyl ether	LT .33	UGG V		
								4-Chlorophenyl phenyl ether	LT .33	UGG V		
								Unknown compound 539	7	UGG VB		
								Unknown compound 548	.1	UGG V		
								Unknown compound 551	.1	UGG VB		
								Unknown compound 556	.1	UGG V		
								Unknown compound 606	.2	UGG VB		
								Unknown compound 614	.2	UGG VB		
								Unknown compound 615	.7	UGG VB		
								Unknown compound 623	5	UGG VB		
								Unknown compound 632	.3	UGG VBD		
								Unknown compound 637	.1	UGG VB		
								Unknown compound 660	1	UGG VB		
									.4	UGG V		

\*\* End of Report - 804 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

## GROUNDWATER

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	DRO /W	7439-92-1	Diesel range organics	LT 100	UGL	---	---
							GPB1/W	7439-92-1	Lead	LT 3	UGL	---	---
							GRO /W		Gasoline range organics	LT 10	UGL	---	---
							GSE1/W	7782-49-2	Selenium	LT 5	UGL	---	---
							GTL1/W	7440-28-0	Thallium	LT 10	UGL	---	---
							HGC1/W	7439-97-6	Mercury	LT .2	UGL	---	---
							ICM1/W	7440-36-0	Antimony	LT 1	UGL	---	---
								7440-38-2	Arsenic	LT 5	UGL	---	---
								7440-41-7	Beryllium	LT 1	UGL	---	---
								7440-43-9	Cadmium	LT 1	UGL	---	---
							ICP2/W	7429-90-5	Aluminum	LT 200	UGL	---	---
								7439-89-6	Iron	LT 100	UGL	---	---
								7439-95-4	Magnesium	21800	UGL	---	---
								7439-96-5	Manganese	LT 15	UGL	---	---
								7440-02-0	Nickel	LT 40	UGL	---	---
								7440-09-7	Potassium	LT 5000	UGL	---	---
								7440-22-4	Silver	LT 10	UGL	---	---
								7440-23-5	Sodium	62100	UGL	---	---
								7440-39-3	Barium	LT 200	UGL	---	---
								7440-47-3	Chromium	LT 10	UGL	---	---
								7440-48-4	Cobalt	LT 50	UGL	---	---
								7440-50-8	Copper	LT 25	UGL	---	---
								7440-62-2	Vanadium	LT 50	UGL	---	---
								7440-66-6	Zinc	LT 20	UGL	---	---
							SMV1/W	7440-70-2	Calcium	80100	UGL	---	---
								100-01-6	4-Nitroaniline	LT 25	UGL	---	---
								100-02-7	4-Nitrophenol	LT 25	UGL	---	---
								105-67-9	2,4-Dimethylphenol	LT 10	UGL	---	---
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL	---	---
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL	---	---
								106-47-8	4-Chloroaniline	LT 10	UGL	---	---
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL	---	---
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL	---	---
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL	---	---
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL	---	---
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL	---	---
								117-84-0	Di-n-octyl phthalate	LT 10	UGL	---	---
								118-74-1	Hexachlorobenzene	LT 10	UGL	---	---
								120-12-7	Anthracene	LT 10	UGL	---	---
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL	---	---
								120-83-2	2,4-Dichlorophenol	LT 10	UGL	---	---
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL	---	---
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL	---	---

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MU-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	SHV1/W	131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>o</sup>	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		
								85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		
								88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	SMV1/W	95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
							VMS1/W	100-41-4	4-Chlorophenyl phenyl ether	LT 10	UGL		
								100-42-5	Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								107-06-2	1,2-Dichloroethane	LT 1	UGL		
								108-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								108-88-3	Toluene	LT 1	UGL		
								108-90-7	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								124-48-1	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								127-18-4	Tetrachloroethylene / Tetrachloroethene / Perchloroethylen*	LT 1	UGL		
								540-59-0	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
								56-23-5	Carbon tetrachloride	LT 1	UGL		
								591-78-6	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
								67-64-1	Acetone	5.4	UGL		
								67-66-3	Chloroform	LT 1	UGL		
								71-43-2	Benzene	LT 1	UGL		
								71-55-6	1,1,1-Trichloroethane	LT 1	UGL		
								74-83-9	Bromomethane	LT 1	UGL		
								74-87-3	Chloromethane	LT 1	UGL		
								75-00-3	Chloroethane	LT 1	UGL		
								75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL		
								75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL		
								75-15-0	Carbon disulfide	LT 1	UGL		
								75-25-2	Bromoform	LT 1	UGL		
								75-27-4	Bromodichloromethane	LT 1	UGL		
								75-34-3	1,1-Dichloroethane	LT 1	UGL		
								75-35-4	1,1-Dichloroethylenes / 1,1-Dichloroethene	LT 1	UGL		
								78-87-5	1,2-Dichloropropane	LT 1	UGL		
								78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL		
								79-00-5	1,1,2-Trichloroethane	LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation : Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	VMS1/W	79-01-6	Trichloroethylene / Trichloroethene / Ethinyl trichloride / *	LT 1	UGL		
								79-34-5	Tetrachloroethane / 1,1,2,2-Xylenes, total combined trans-1,3-Dichloropropene Diesel range organics	LT 1	UGL		
								7439-92-1	Lead	LT 3	UGL		
								7782-49-2	Gasoline range organics	LT 10	UGL		
								7440-28-0	Selenium	LT 5	UGL		
								7439-97-6	Thallium	LT 10	UGL		
								7440-36-0	Mercury	LT .2	UGL		
								7440-38-2	Antimony	LT 1	UGL		
								7440-41-7	Arsenic	LT 5	UGL		
								7440-43-9	Beryllium	LT 1	UGL		
								7429-90-5	Cadmium	LT 1	UGL		
								7439-89-6	Aluminum	6290	UGL		
								7439-95-4	Iron	7070	UGL		
								7439-96-5	Magnesium	14700	UGL		
								7440-02-0	Manganese	183	UGL		
								7440-09-7	Nickel	LT 40	UGL		
								7440-22-4	Potassium	LT 5000	UGL		
								7440-23-5	Silver	LT 10	UGL		
								7440-39-3	Sodium	96500	UGL		
								7440-47-3	Barium	LT 200	UGL		
								7440-48-4	Chromium	LT 10	UGL		
								7440-50-8	Cobalt	LT 50	UGL		
								7440-62-2	Copper	LT 25	UGL		
								7440-66-6	Vanadium	LT 50	UGL		
								7440-70-2	Zinc	20.6	UGL		
								100-01-6	Calcium	51200	UGL		
								100-02-7	4-Nitroaniline	LT 25	UGL		
								105-67-9	4-Nitrophenol	LT 25	UGL		
								106-44-5	2,4-Dimethylphenol	LT 10	UGL		
								106-46-7	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-47-8	1,4-Dichlorobenzene	LT 10	UGL		
								108-60-1	4-Chloroaniline	LT 10	UGL		
								111-44-4	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								111-91-1	Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe*	LT 10	UGL		
								117-81-7	Bis(2-chloroethyl) ether	LT 10	UGL		
								117-84-0	Bis(2-chloroethoxy) methane	LT 35	UGL		
									Bis(2-ethylhexyl) phthalate	LT 10	UGL		
									Di-n-octyl phthalate	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	SMV1/W	118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		
								85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	SNV1/W	88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Unknown compound 550	30	UGL		
									Unknown compound 552	10	UGL		
									Unknown compound 616	20	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol /	LT 1	UGL		
									Styrolene / Cinnamene *	LT 1	UGL		
									cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
									1,2-Dichloroethane	LT 1	UGL		
									Methyl isobutyl ketone /	LT 5	UGL		
									Isopropylacetone / 4-Methyl-2-pen*	LT 1	UGL		
									Toluene	LT 1	UGL		
									Chlorobenzene / Monochlorobenzene	LT 1	UGL		
									Dibromochloromethane /	LT 1	UGL		
									Chlorodibromomethane	LT 1	UGL		
									Tetrachloroethylene /	LT 1	UGL		
									Tetrachloroethene / Perchloroethylen*	LT 1	UGL		
									1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
									Carbon tetrachloride	LT 5	UGL		
									Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
									Acetone	LT 1	UGL		
									Chloroform	LT 1	UGL		
									Benzene	LT 1	UGL		
									1,1,1-Trichloroethane	LT 1	UGL		
									Bromomethane	LT 1	UGL		
									Chloromethane	LT 1	UGL		
									Chloroethane	LT 1	UGL		
									Vinyl chloride / Chloroethene	LT 1	UGL		
									Methylene chloride / Dichloromethane	LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	VMS1/W	75-15-0	Carbon disulfide	LT 1	UGL			
								75-25-2	Bromoform	LT 1	UGL			
								75-27-4	Bromodichloromethane	LT 1	UGL			
								75-34-3	1,1-Dichloroethane	LT 1	UGL			
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL			
								78-87-5	1,2-Dichloropropane	LT 1	UGL			
								78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL			
								79-00-5	1,1,2-Trichloroethane	LT 1	UGL			
								79-01-6	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL			
								79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL			
MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	DRO /W	GPB1/W	7439-92-1	Unknown compound 249	1	UGL			
							GRO /W	7782-49-2	Xylenes, total combined	LT 1	UGL			
							GSE1/W	7440-28-0	trans-1,3-Dichloropropene	LT 1	UGL			
							GTL1/W	7439-97-6	Diesel range organics	LT 100	UGL			
							HGC1/W	7440-36-0	Lead	LT 3	UGL			
							ICM1/W	7440-38-2	Gasoline range organics	LT 10	UGL			
								7440-41-7	Selenium	LT 5	UGL			
								7440-43-9	Thallium	LT 10	UGL			
								7440-43-9	Mercury	LT .2	UGL			
								7440-38-2	Antimony	LT 1	UGL			
								7440-41-7	Arsenic	LT 5	UGL			
								7440-43-9	Beryllium	LT 1	UGL			
								7429-90-5	Cadmium	LT 1	UGL			
								7439-89-6	Aluminum	2750	UGL			
								7439-95-4	Iron	1600	UGL			
								7439-95-4	Magnesium	20300	UGL			
								7439-96-5	Manganese	144	UGL			
								7440-02-0	Nickel	LT 40	UGL			
								7440-09-7	Potassium	LT 5000	UGL			
								7440-22-4	Silver	LT 10	UGL			
								7440-23-5	Sodium	63400	UGL			
								7440-39-3	Barium	LT 200	UGL			
								7440-47-3	Chromium	LT 10	UGL			
								7440-48-4	Cobalt	LT 50	UGL			
								7440-50-8	Copper	LT 25	UGL			
								7440-62-2	Vanadium	LT 50	UGL			
	7440-66-6	Zinc	LT 20	UGL										
	7440-70-2	Calcium	LT 20	UGL										
	100-01-6	4-Nitroaniline	76800	UGL										
	100-02-7	4-Nitrophenol	LT 25	UGL										
	105-67-9	2,4-Dimethylphenol	LT 10	UGL										

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MM-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	SNV1/W	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	SMV1/W	85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		
								88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								100-41-4	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								100-42-5	1,2-Dichloroethane	LT 1	UGL		
								10061-01-5	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								107-06-2	Toluene	LT 1	UGL		
								108-10-1	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								108-88-3	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								108-90-7	Tetrachloroethylene / Perchloroethylen*	LT 1	UGL		
								124-48-1	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
								127-18-4	Carbon tetrachloride	LT 1	UGL		
								540-59-0	Methyl n-butyl ketone / 2-Hexanone	LT 1	UGL		
								56-23-5	Acetone	LT 5	UGL		
								591-78-6	Chloroform	LT 1	UGL		
								67-64-1					
								67-66-3					

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	VMS1/W	Benzene	LT 1	UGL			
								1,1,1-Trichloroethane	LT 1	UGL			
								Bromomethane	LT 1	UGL			
								Chloromethane	LT 1	UGL			
								Chloroethane	LT 1	UGL			
								Vinyl chloride / Chloroethene	LT 1	UGL			
								Methylene chloride / Dichloromethane	LT 1	UGL			
								Carbon disulfide	LT 1	UGL			
								Bromoform	LT 1	UGL			
								Bromodichloromethane	LT 1	UGL			
								1,1-Dichloroethane	LT 1	UGL			
								1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL			
								1,2-Dichloropropane	LT 1	UGL			
								Methyl ethyl ketone / 2-Butanone	LT 15	UGL			
								1,1,2-Trichloroethane	LT 1	UGL			
MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	DRO /W	GPB1/W	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL			
								Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	2	UGL			
								Unknown compound 052	LT 1	UGL			
								Xylenes, total combined	LT 1	UGL			
								trans-1,3-Dichloropropene	LT 100	UGL			
								Diesel range organics	LT 3	UGL			
								Lead	LT 10	UGL			
								Gasoline range organics	LT 5	UGL			
								Selenium	LT 10	UGL			
								Thallium	LT .2	UGL			
								Mercury	LT 1	UGL			
								Antimony	LT 5	UGL			
								Arsenic	LT 1	UGL			
								Beryllium	LT 1	UGL			
								Cadmium	LT 1	UGL			
								Aluminum	LT 200	UGL			
								Iron	LT 100	UGL			
								Magnesium	34000	UGL			
								Manganese	LT 15	UGL			
								Nickel	LT 40	UGL			
								Potassium	LT 5000	UGL			
								Silver	LT 10	UGL			
								Sodium	56200	UGL			
								Barium	LT 200	UGL			
								Chromium	LT 10	UGL			
Cobalt	LT 50	UGL											



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	ICP2/W	7440-50-8	Copper	LT 25	UGL		
								7440-62-2	Vanadium	LT 50	UGL		
								7440-66-6	Zinc	LT 20	UGL		
								7440-70-2	Calcium	89500	UGL		
							SMV1/W	100-01-6	4-Nitroaniline	LT 25	UGL		
								100-02-7	4-Nitrophenol	LT 25	UGL		
								105-67-9	2,4-Dimethylphenol	LT 10	UGL		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

**Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)**

File Type: CGW

Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MJ-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	SNV1/W	621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		
								85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		
								88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 10	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 25	UGL		
								99-09-2	3-Nitroaniline	LT 10	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
									1,2-Dichloroethane	LT 1	UGL		
								108-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								108-88-3	Toluene	LT 1	UGL		
								108-90-7	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								124-48-1	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								127-18-4					

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	VMS1/W	127-18-4	Tetrachloroethylene /	LT 1	UGL		
								540-59-0	Tetrachloroethene / Perchloroethylen* 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
								56-23-5	Carbon tetrachloride	LT 1	UGL		
								591-78-6	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
								67-64-1	Acetone	LT 5	UGL		
								67-66-3	Chloroform	LT 1	UGL		
								71-43-2	Benzene	LT 1	UGL		
								71-55-6	1,1,1-Trichloroethane	LT 1	UGL		
								74-83-9	Bromomethane	LT 1	UGL		
								74-87-3	Chloromethane	LT 1	UGL		
								75-00-3	Chloroethane	LT 1	UGL		
								75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL		
								75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL		
								75-15-0	Carbon disulfide	LT 1	UGL		
								75-25-2	Bromoform	LT 1	UGL		
								75-27-4	Bromodichloromethane	LT 1	UGL		
								75-34-3	1,1-Dichloroethane	LT 1	UGL		
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL		
								78-87-5	1,2-Dichloropropane	LT 1	UGL		
								78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL		
								79-00-5	1,1,2-Trichloroethane	LT 1	UGL		
								79-01-6	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL		
								79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL		
									Xylenes, total combined	LT 1	UGL		
									trans-1,3-Dichloropropene	LT 1	UGL		

\*\* End of Report - 493 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary



**SOURCE WATER DATA**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab No.	Lab No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WM#2	WM#2	0.0	14-NOV-96	RL	52614-01		DRO /W	7439-92-1	Diesel range organics	LT 100	UGL V		
								GPB1/W		Lead	LT 3	UGL V		
								GRO /W		Gasoline range organics	LT 10	UGL V		
								GSE1/W	7782-49-2	Selenium	LT 5	UGL V		
								GTL1/W	7440-28-0	Thallium	LT 10	UGL V		
								HGC1/W	7439-97-6	Mercury	LT .2	UGL V		
								ICM1/W	7440-36-0	Antimony	LT 1	UGL V		
									7440-38-2	Arsenic	LT 5	UGL V		
									7440-41-7	Beryllium	LT 1	UGL V		
									7440-43-9	Cadmium	LT 1	UGL V		
								ICP2/W	7429-90-5	Aluminum	LT 200	UGL V		
									7439-89-6	Iron	LT 100	UGL V		
									7439-95-4	Magnesium	LT 15	UGL V		
									7439-96-5	Manganese	LT 40	UGL V		
									7440-02-0	Nickel	LT 5000	UGL V		
									7440-09-7	Potassium	LT 10	UGL V		
									7440-22-4	Silver	LT 10	UGL V		
									7440-23-5	Sodium	63000	UGL V		
									7440-39-3	Barium	LT 200	UGL V		
									7440-47-3	Chromium	LT 10	UGL V		
									7440-48-4	Cobalt	LT 50	UGL V		
									7440-50-8	Copper	LT 25	UGL V		
									7440-62-2	Vanadium	LT 50	UGL V		
									7440-66-6	Zinc	LT 20	UGL V		
								SMV1/W	7440-70-2	Calcium	79800	UGL V		
									100-01-6	4-Nitroaniline	LT 25	UGL V		
									100-02-7	4-Nitrophenol	LT 25	UGL V		
									105-67-9	2,4-Dimethylphenol	LT 10	UGL V		
									106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL V		
									106-46-7	1,4-Dichlorobenzene	LT 10	UGL V		
									106-47-8	4-Chloroaniline	LT 10	UGL V		
									108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL V		
									108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT 10	UGL V		
									111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL V		
									111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL V		
									117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL V		
									117-84-0	Di-n-octyl phthalate	LT 10	UGL V		
									118-74-1	Hexachlorobenzene	LT 10	UGL V		
									120-12-7	Anthracene	LT 10	UGL V		
									120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL V		
									120-83-2	2,4-Dichlorophenol	LT 10	UGL V		
									121-14-2	2,4-Dinitrotoluene	LT 10	UGL V		
									129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
MELL	WM#2	WM#2	0.0	14-NOV-96	RL	52614-01	SMV1/W	131-11-3	Dimethyl phthalate	LT 10	UGL V		
								132-64-9	Dibenzofuran	LT 10	UGL V		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL V		
								206-44-0	Fluoranthene	LT 10	UGL V		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL V		
								208-96-8	Acenaphthylene	LT 10	UGL V		
								218-01-9	Chrysene	LT 10	UGL V		
								50-32-8	Benzo[a]pyrene	LT 10	UGL V		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL V		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL V		
								56-55-3	Benzo[a]anthracene	LT 10	UGL V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL V		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL V		
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL V		
								67-72-1	Hexachloroethane	LT 10	UGL V		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL V		
								78-59-1	Isophorone	LT 10	UGL V		
								83-32-9	Acenaphthene	LT 10	UGL V		
								84-66-2	Diethyl phthalate	LT 10	UGL V		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL V		
								85-01-8	Phenanthrene	LT 10	UGL V		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL V		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL V		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL V		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL V		
								87-86-5	Pentachlorophenol	LT 25	UGL V		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL V		
								88-74-4	2-Nitroaniline	LT 25	UGL V		
								88-75-5	2-Nitrophenol	LT 10	UGL V		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL V		
								91-57-6	2-Methylnaphthalene	LT 10	UGL V		
								91-58-7	2-Chloronaphthalene	LT 10	UGL V		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WW#2	WW#2	0.0	14-NOV-96	RL	52614-01	SMV1/W	95-50-1	1,2-Dichlorobenzene	LT 10	UGL V		
								95-57-8	2-Chlorophenol	LT 10	UGL V		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL V		
								99-09-2	3-Nitroaniline	LT 25	UGL V		
									4-Bromophenyl phenyl ether	LT 10	UGL V		
							VMS1/W	100-41-4	4-Chlorophenyl phenyl ether	LT 10	UGL V		
								100-42-5	Ethylbenzene	LT 1	UGL V		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL V		
								10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL V		
								107-06-2	1,2-Dichloroethane	LT 1	UGL V		
								108-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL V		
								108-88-3	Toluene	LT 1	UGL V		
								108-90-7	Chlorobenzene / Monochlorobenzene	LT 1	UGL V		
								124-48-1	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL V		
								127-18-4	Tetrachloroethylene / Tetrachloroethylen /	LT 1	UGL V		
								540-59-0	Tetrachloroethene / Perchloroethylen* 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL V		
								56-23-5	Carbon tetrachloride	LT 1	UGL V		
								591-78-6	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL V		
								67-64-1	Acetone	LT 5	UGL V		
								67-66-3	Chloroform	LT 1	UGL V		
								71-43-2	Benzene	LT 1	UGL V		
								71-55-6	1,1,1-Trichloroethane	LT 1	UGL V		
								74-83-9	Bromomethane	LT 1	UGL V		
								74-87-3	Chloromethane	LT 1	UGL V		
								75-00-3	Chloroethane	LT 1	UGL V		
								75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL V		
								75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL V		
								75-15-0	Carbon disulfide	LT 1	UGL V		
								75-25-2	Bromoform	LT 1	UGL V		
								75-27-4	Bromodichloromethane	LT 1	UGL V		
								75-34-3	1,1-Dichloroethane	LT 1	UGL V		
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL V		
								78-87-5	Dichloroethane	LT 1	UGL V		
								78-93-3	1,2-Dichloropropane	LT 1	UGL V		
								79-00-5	Methyl ethyl ketone / 2-Butanone	LT 15	UGL V		
									1,1,2-Trichloroethane	LT 1	UGL V		

\* - Analyte Description has been truncated. See Data Dictionary



28-JAN-97

10:30:02

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WN#2	WN#2	0.0	14-NOV-96	RL 52614-01	VMS1/W	79-01-6	79-34-5	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL V		
									Tetrachloroethane / 1,1,2,2-	LT 1	UGL V		
									Xylenes, total combined	LT 1	UGL V		
									trans-1,3-Dichloropropene	LT 1	UGL V		

\*\* End of Report - 122 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**IRDMIS FLAGGING CODES AND DATA QUALIFIERS**

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**ABB Environmental Services, Inc.**

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS Record		IRDMIS Data Base	
Record Type	Column(s)	DB Table(s)	DB Column
•	132	chem/cqc	flag_codes
	133		
	134		
	135		
	136		
	137		
	138		
	139		
		flag_qual_desc	f_q_code

• Any valid chemical or radiological record type

#### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Flagging Codes per record  
 flag\_qual\_desc: 1 Flagging Code per record

#### ELEMENT DESCRIPTION:

Code assigned by the Laboratory to indicate other-than-usual analytical conditions or results.

#### ACCEPTABLE CRITERIA:

NOTE: Flagging Codes marked with \* were changed effective 1 February 1993!  
 Flagging Codes marked with \*\* were changed effective with the introduction of Version 5.2 of the IRDMIS Data Entry and Validation Subsystem (PC IRDMIS) software!

- \* A Analyte found in trip blank as well as in field samples . The analyte was detected in the field sample and the trip blank for the same cooler. To be used for volatiles only.
- B Analyte found in the method blank or QC blank as well as the sample. This Code is to be used when an analyte was detected and quantitated at higher-than-normal background levels. For metals in soil, the following rules must be followed:
  - (1) If the analyte is detected in the method blank, both the field and QC samples are to be flagged.
  - (2) If the analyte is detected in the QC blank, only the QC samples are to be flagged.
- C Analysis was confirmed. This Code is to be used when a confirmation analysis bears out the reported result (if it is above the CRL or MDL). The confirmation analysis must use a different column or analytical technique.
- D Duplicate analysis. This Code is used to distinguish analytical results when duplicate analyses are required. Flag only the second (duplicate) sample.

## ACCEPTABLE CRITERIA: (CONT.)

- E No longer in use.
- F Sample filtered prior to analysis. This Code is to be used when results of filtered samples are to be differentiated from non-filtered samples. This Code is also to be used when filtering of samples (as a first step in the sample preparation) is a deviation from the approved method SOP. This Code may be used to indicate both field and laboratory filtering. It is not to be used when filtering the extract is the normal procedure.
- \* G Analyte found in rinse blank as well as field sample. The analyte was detected in the field sample as well as that day's rinse blank for the same equipment type.
- \*\* H No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* I Interferences in sample cause the quantitation and/or identification to be suspect. This Code is to be used when matrix interferences may mask detection of the target analyte. Must always be used with Flagging Code J.
- \* \*\* J Value is estimated because of one of the following conditions:
- Interferences in the sample (use Flagging Codes J and I)  
or  
The value is below the method detection level but above the  
instrumental detection level (use Flagging Codes J and P)  
or  
The value is above the upper reporting level of the method (use  
Flagging Codes J and X).
- This Code must always be used with Flagging Code I, P, or X. Both the J and I and the J and X combinations may be used both for methods demonstrated under the 1990 QA Program and for methods validated under the 1993 QA Guidelines. The J and P combination is only to be used for methods validated under the 1993 QA Guidelines.
- \* K Reported results affected by interferences or high background. This Code is to be used when analyte levels at or near the CRL or MDL cannot be accurately quantified down to the CRL/MDL due to interferences. This Code will allow a laboratory to input a higher CRL/MDL, rather than defaulting to the Methods data base. (Formerly Flagging Code G)
- \* \*\* L No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* M No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* N Tentatively identified compound (result of a GC/MS library search) with a match greater than 70%. To be used when specified in the contract/task order.

## ACCEPTABLE CRITERIA: (CONT.)

- \* O No longer in use.
- \* P Value is less than the method reporting level but greater than the instrumental detection limit. This Code must always be used with J. This Code is only to be used for methods validated under the 1993 QA Guidelines.
- \* Q Confirmatory analysis was performed; however, sample interference obscured the area where the peak of interest would have appeared. To be used when the peak of interest fell within the retention-time window on the primary column, but the retention-time window on the secondary column was masked by interferences.
- R Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. To be used when specified in the contract/task order.
- S Non-target compound analyzed for and detected. This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. Also used to report tentatively identified compounds which are quantitated against an internal standard. To be used when specified in the contract/task order.
- T Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- U Analysis is unconfirmed. This Code is to be used when a confirmatory analysis was performed but does not verify the analytical results from the initial analysis.
- V Sample was subjected to unusual storage/preservation condition. To be used when samples are received at the laboratory at greater than 4° C, or were not correctly preserved in the field.
- W Single analyte required from a multi-analyte method. This Code is to be used when field samples are to be analyzed for a subset of the demonstrated/validated analytes.
- \*\* X Analyte concentration is above the upper reporting level. This Flagging Code is to be used when analyte concentrations exceed the upper reporting level and the laboratory feels that additional dilutions are not warranted. This Code is also to be used when no sample or extract remains to make additional dilutions. It must also be used whenever a Boolean of GT is used.
- \* Y Tentatively identified compound (result of a GC/MS library search) with a match of less than 70%, but peak area is greater than 35% of the internal standard. To be used when specified in the contract/task order.

## ACCEPTABLE CRITERIA: (CONT.)

- \* Z Non-target compound analyzed for and detected. This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- \* 1 Result less than the CRL but greater than the Criteria of Detection (COD). Can only be used for methods which were performance demonstrated under the 1990 QA Program.
- \* 2 Ending calibration not within acceptable limits. This Code is to be used for an analyte for which the ending calibration is still unacceptable after multiple attempts.
- \* 3 Internal standard(s) not within acceptable limits.
- \* \*\* 4 Analyte quantitated on the secondary column, when this is not the normal practice.
- \* \*\* 7 No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* 8 Analyte recovery outside of certified range but within acceptable limits. This Flagging Code is to be used when analyte recoveries exceed the upper limit of the certified range by less than 15% and the laboratory feels a dilution is not warranted. No longer in use after introduction of Version 5.2 of PC IRDMIS (formerly Flagging Code X).
- \*\* 9 Non-demonstrated/validated method performed for USAEC. This Code is to be used to identify Method 00 or NTAM data which was produced under contract to USAEC.

## ACCEPTABLE ENTRIES:

- A Analyte found in trip blank as well as in field samples.
- B Analyte found in the method blank or QC blank as well as the sample.
- C Analysis was confirmed.
- D Duplicate analysis.
- F Sample filtered prior to analysis.
- G Analyte found in rinse blank as well as field sample.
- I Interferences in sample make quantitation and/or identification to be suspect.
- J Value is estimated.
- K Reported results are affected by interferences or high background.
- N Tentatively identified compound (match greater than 70%).
- P Results less than reporting level but greater than instrumental detection limit.
- Q Sample interference obscured peak of interest.
- R Non-target compound analyzed for but not detected (GC/MS methods).
- S Non-target compound analyzed for and detected (GC/MS methods).
- T Non-target compound analyzed for but not detected (non-GC/MS methods).
- U Analysis is unconfirmed.
- V Sample subjected to unusual storage/preservation conditions.

**ACCEPTABLE ENTRIES: (CONT.)**

- W Single analyte required from a multi-analyte method.
- X Analyte concentration is above the upper reporting level.
- Y Tentatively identified compound (match less than 70%).
- Z Non-target compound analyzed for and detected (non-GC/MS methods).
- 1 Result less than CRL but greater than COD.
- 2 Ending calibration not within acceptable limits.
- 3 Internal standard(s) not within acceptable limits.
- 4 Analyte quantitated on the secondary column.
- 9 Non-demonstrated/validated method performed for USAEC.

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS Record		IRDMIS Data Base	
Record Type	Column(s)	DB Table(s)	DB Column
•	140	chem/cqc	data_qualis
	141		
	142		
	143		
	144		
	145		
	146		
	147		
		flag_qualis_desc	f_q_code

• Any valid chemical or radiological record type

#### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Data Qualifiers per record  
 flag\_qualis\_desc: 1 Data Qualifier per record

#### ELEMENT DESCRIPTION:

Code assigned only by the USAEC Chemist to indicate data acceptance or rejection based on other-than-usual analytical conditions or results.

#### ACCEPTABLE CRITERIA:

- ? Control chart either not received or not yet approved by USAEC. This Qualifier is automatically set when a lot file has been loaded but the corresponding control chart has not been approved.
- I The low-spike recovery is high. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- J The low-spike recovery is low. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- K Missed holding times for extraction and preparation (Hold Time 1). This Qualifier is automatically set when the extraction/preparation holding time is exceeded. (Formerly Flagging Code K)
- L Missed holding time for sample analysis (Hold Time or Hold Time 2). This Qualifier is automatically set when the analytical holding time is exceeded. (Formerly Flagging Code L)
- M The high-spike recovery is high. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.



**ACCEPTABLE CRITERIA: (CONT.)**

- N The high-spike recovery is low. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.
- O Low spike recoveries excessively different. To be used only for the duplicate low spikes in Class 1P methods.
- P High spike recoveries excessively different. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the duplicate spikes in Class 1M methods.
- Q Surrogate(s) in field sample outside of acceptable limits as specified by EPA CLP. To be followed by number of surrogates failing criteria (1 - 9). To be used only for field samples. (Formerly Flagging Code Q)
- R Data is rejected and is not usable.

**ACCEPTABLE ENTRIES:**

- ? Control chart not yet approved by USAEC.
- 1-9 Number of surrogates failing EPA CLP criteria (used with Data Qualifier Q)
- I The low-spike recovery is high.
- J The low-spike recovery is low.
- K Missed holding time for extraction and preparation.
- L Missed holding time for sample analysis.
- M The high-spike recovery is high.
- N The high-spike recovery is low.
- O Low spike recoveries excessively different.
- P High spike recoveries excessively different.
- Q Surrogate recovery outside of acceptable CLP limits (field samples only).
- R Data is rejected.

**QC SAMPLE RESULTS FROM IRDMIS**

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**ABB Environmental Services, Inc.**

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	-----	DRO	DRO	DRAB	25-NOV-96	09-DEC-96	<	4 UGG
ABB-ES	-----	GPB1	PB	PSDQ	16-DEC-96	17-DEC-96		1.12 UGG
ABB-ES	-----	GRO	GRO	GRAB	22-NOV-96	22-NOV-96	<	.5 UGG
ABB-ES	-----	GSE1	SE	SSDQ	16-DEC-96	17-DEC-96	<	1 UGG
ABB-ES	-----	GTL1	TL	TSDQ	16-DEC-96	17-DEC-96	<	2 UGG
ABB-ES	-----	HGC1	HG	HSDH	11-DEC-96	11-DEC-96	<	.2 UGG
ABB-ES	-----	ICM1	AS	WSCK	13-DEC-96	19-DEC-96	<	1 UGG
ABB-ES	-----		BE	WSCK	13-DEC-96	19-DEC-96	<	.2 UGG
ABB-ES	-----		CD	WSCK	13-DEC-96	19-DEC-96	<	.2 UGG
ABB-ES	-----		SB	WSCK	13-DEC-96	19-DEC-96	<	.2 UGG
ABB-ES	-----	ICP1	AG	ISCV	23-DEC-96	26-DEC-96	<	2 UGG
ABB-ES	-----		AL	ISCV	23-DEC-96	26-DEC-96	<	628 UGG
ABB-ES	-----		AL	ISCV	23-DEC-96	26-DEC-96	<	613 UGG
ABB-ES	-----		AL	ISCV	23-DEC-96	26-DEC-96	<	480 UGG
ABB-ES	-----		AL	ISCV	23-DEC-96	26-DEC-96	<	433 UGG
ABB-ES	-----		BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES	-----		BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES	-----		BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES	-----		BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES	-----		CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES	-----		CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES	-----		CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES	-----		CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES	-----		CO	ISCV	23-DEC-96	26-DEC-96	<	10 UGG
ABB-ES	-----		CR	ISCV	23-DEC-96	26-DEC-96	<	3 UGG
ABB-ES	-----		CU	ISCV	23-DEC-96	26-DEC-96	<	5 UGG
ABB-ES	-----		FE	ISCV	23-DEC-96	26-DEC-96	<	1060 UGG
ABB-ES	-----		FE	ISCV	23-DEC-96	26-DEC-96	<	1050 UGG

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		ICP1	FE	ISCV	23-DEC-96	26-DEC-96	1030	UGG
ABB-ES			FE	ISCV	23-DEC-96	26-DEC-96	758	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	34.5	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	25.7	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	24	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	22.2	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NI	ISCV	23-DEC-96	26-DEC-96	8	UGG
ABB-ES			V	ISCV	23-DEC-96	26-DEC-96	10	UGG
ABB-ES			ZN	ISCV	23-DEC-96	26-DEC-96	4	UGG
ABB-ES		SHV2	12DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			12DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			13DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			245TCP	BSBS	25-NOV-96	16-DEC-96	.8	UGG
ABB-ES			245TCP	BSBS	25-NOV-96	16-DEC-96	.8	UGG
ABB-ES			246TCP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			246TCP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DCLP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DCLP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DMPN	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DMPN	BSBS	25-NOV-96	16-DEC-96	.8	UGG

**FT. ALLEN**

Contractor Method Description		IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	ABB-ES	SMV2	2QNP	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES	ABB-ES		2QNT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2GNT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2CNAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2CNAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES	ABB-ES		2NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		2NP	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES	ABB-ES		33DCBD	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		33DCBD	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES	ABB-ES		3NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES	ABB-ES		4QNTC	BSBS	25-NOV-96	16-DEC-96	<	1 UGG
ABB-ES	ABB-ES		4QNTC	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4RRPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4CAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4CAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4CLPPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4CLPPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4NP	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES	ABB-ES		4NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		4NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES		ANAPYL	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES	ABB-ES	ANAPYL	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES	ABB-ES	ANTRC	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES	ABB-ES	ANTRC	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES	ABB-ES	B2CEXN	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES	ABB-ES	B2CEXN	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SW2	B2CIPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2CIPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2CLEE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2CLEE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2EHP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2EHP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAANTR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAANTR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAPYR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAPYR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBFANT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBFANT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBZP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBZP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BGNIPY	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			BGNIPY	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			BKFANT	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			BKFANT	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			CARBAZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CARBAZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CHRY	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CHRY	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6BZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6BZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6CP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6CP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6ET	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6ET	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DBAHA	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			DBAHA	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			DBZFLUR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DBZFLUR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DEP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DEP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DWP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV2	DMP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DNP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DNP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DNP	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			FANT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			FANT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			FLRENE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			FLRENE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			HCB0	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			ICDPYR	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			ICDPYR	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			ISOPHR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			ISOPHR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			NAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			NB	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			NB	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			NDPA	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			NDPA	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			PHANTR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			PHANTR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			UNK539	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			UNK539	BSBS	25-NOV-96	16-DEC-96	<	2 UGG
ABB-ES			UNK606	BSBS	25-NOV-96	16-DEC-96	<	.1 UGG
ABB-ES			UNK606	BSBS	25-NOV-96	16-DEC-96	<	.1 UGG
ABB-ES			UNK614	BSBS	25-NOV-96	16-DEC-96	<	.09 UGG
ABB-ES			UNK614	BSBS	25-NOV-96	16-DEC-96	<	.4 UGG
ABB-ES			UNK615	BSBS	25-NOV-96	16-DEC-96	<	.4 UGG
ABB-ES			UNK615	BSBS	25-NOV-96	16-DEC-96	<	.4 UGG
ABB-ES			UNK623	BSBS	25-NOV-96	16-DEC-96	<	7 UGG
ABB-ES			UNK623	BSBS	25-NOV-96	16-DEC-96	<	5 UGG
ABB-ES			UNK623	BSBS	25-NOV-96	16-DEC-96	<	.4 UGG
ABB-ES			UNK623	BSBS	25-NOV-96	16-DEC-96	<	.3 UGG

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

Contractor Method Description		IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV2	UNK630	BSBS	25-NOV-96	16-DEC-96	.1	UGG
ABB-ES			UNK630	BSBS	25-NOV-96	16-DEC-96	.07	UGG
ABB-ES			UNK632	BSBS	25-NOV-96	16-DEC-96	.07	UGG
ABB-ES			UNK637	BSBS	25-NOV-96	16-DEC-96	.9	UGG
ABB-ES			UNK637	BSBS	25-NOV-96	16-DEC-96	.7	UGG
ABB-ES		DRO	DRO	DRAC	25-NOV-96	26-NOV-96	100	UGL
ABB-ES			DRO	DRAD	09-DEC-96	10-DEC-96	100	UGL
ABB-ES		GP81	P8	PAOF	10-DEC-96	11-DEC-96	3	UGL
ABB-ES			P8	PADG	11-DEC-96	12-DEC-96	3	UGL
ABB-ES		GRO	GRO	GRAC	21-NOV-96	21-NOV-96	10	UGL
ABB-ES			GRO	GRAD	06-DEC-96	06-DEC-96	10	UGL
ABB-ES		GSE1	SE	SADF	10-DEC-96	11-DEC-96	5	UGL
ABB-ES			SE	SADG	11-DEC-96	12-DEC-96	5	UGL
ABB-ES		GTL1	TL	TADF	10-DEC-96	11-DEC-96	10	UGL
ABB-ES			TL	TADG	11-DEC-96	12-DEC-96	10	UGL
ABB-ES		HGC1	HG	HACQ	09-DEC-96	10-DEC-96	.2	UGL
ABB-ES			HG	HACR	09-DEC-96	10-DEC-96	.2	UGL
ABB-ES		ICH1	AS	WABL	10-DEC-96	17-DEC-96	5	UGL
ABB-ES			AS	WABH	11-DEC-96	17-DEC-96	5	UGL
ABB-ES			BE	WABL	10-DEC-96	17-DEC-96	1	UGL
ABB-ES			BE	WABH	11-DEC-96	17-DEC-96	1	UGL
ABB-ES			CD	WABL	10-DEC-96	17-DEC-96	1	UGL
ABB-ES			CD	WABH	11-DEC-96	17-DEC-96	1	UGL
ABB-ES			SB	WABL	10-DEC-96	17-DEC-96	1	UGL
ABB-ES			SB	WABH	11-DEC-96	17-DEC-96	1	UGL
ABB-ES		ICP2	AG	IADK	10-DEC-96	12-DEC-96	10	UGL
ABB-ES			AG	IADL	11-DEC-96	12-DEC-96	10	UGL



Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		ICP2	AL	IADK	10-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			AL	IADL	11-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			BA	IADK	10-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			BA	IADL	11-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			CA	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			CA	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			CO	IADK	10-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			CO	IADL	11-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			CR	IADK	10-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			CR	IADL	11-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			CU	IADK	10-DEC-96	12-DEC-96	<	25 UGL
ABB-ES			CU	IADL	11-DEC-96	12-DEC-96	<	25 UGL
ABB-ES			FE	IADK	10-DEC-96	12-DEC-96	<	100 UGL
ABB-ES			FE	IADL	11-DEC-96	12-DEC-96	<	100 UGL
ABB-ES			K	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			K	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			MG	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			MG	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			MN	IADK	10-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			MN	IADL	11-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			NA	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			NA	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			NI	IADK	10-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			NI	IADL	11-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			V	IADK	10-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			V	IADL	11-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			ZN	IADK	10-DEC-96	12-DEC-96	<	20 UGL
ABB-ES			ZN	IADL	11-DEC-96	12-DEC-96	<	20 UGL
ABB-ES		SHV1	12DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			12DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			12DCLB	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			12DCLB	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			13DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			13DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL

**FT. ALLEN**

Contractor Method Description		Test Name		Prep Date	Analysis Date	Value	Unit
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IRDMIS Method Code	SNV1	ABB-ES	13DCLB	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	13DCLB	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	245TCP	BAEA 21-NOV-96	27-NOV-96	<	25 UGL
		ABB-ES	245TCP	BAEA 21-NOV-96	27-NOV-96	<	25 UGL
		ABB-ES	245TCP	BAEB 09-DEC-96	18-DEC-96	<	25 UGL
		ABB-ES	245TCP	BAEB 09-DEC-96	18-DEC-96	<	25 UGL
		ABB-ES	246TCP	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	246TCP	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	246TCP	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	246TCP	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	24DCLP	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	24DCLP	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	24DCLP	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	24DCLP	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	24DMPN	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	24DMPN	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	24DMPN	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	24DMPN	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	24DNP	BAEA 21-NOV-96	27-NOV-96	<	25 UGL
		ABB-ES	24DNP	BAEB 09-DEC-96	18-DEC-96	<	25 UGL
		ABB-ES	24DNP	BAEB 09-DEC-96	18-DEC-96	<	25 UGL
		ABB-ES	26DNT	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	26DNT	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	26DNT	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	26DNT	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	26DNT	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
		ABB-ES	26DNT	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
		ABB-ES	26DNT	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	26DNT	BAEA 21-NOV-96	27-NOV-96	<	10 UGL		
ABB-ES	26DNT	BAEB 09-DEC-96	18-DEC-96	<	10 UGL		
ABB-ES	26DNT	BAEB 09-DEC-96	18-DEC-96	<	10 UGL		
ABB-ES	26DNT	BAEA 21-NOV-96	27-NOV-96	<	10 UGL		

**FT. ALLEN**

Contractor		Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
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ABB-ES	ABB-ES		SMV1	2NP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			2NAN1L	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES	ABB-ES			2NAN1L	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES	ABB-ES			2NAN1L	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES	ABB-ES			2NAN1L	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES	ABB-ES			2NP	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES	ABB-ES			2NP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			33DCBD	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			33DCBD	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			33DCBD	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			33DCBD	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			3NAN1L	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			3NAN1L	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES	ABB-ES			3NAN1L	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES	ABB-ES			3NAN1L	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES	ABB-ES			46ON2C	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES	ABB-ES			46ON2C	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES	ABB-ES			46ON2C	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES	ABB-ES			46ON2C	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES	ABB-ES			48RPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			48RPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES			48RPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			48RPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES	ABB-ES			4CAN1L	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	ABB-ES		4CAN1L	BAEA	21-NOV-96	27-NOV-96	<	10 UGL	
ABB-ES	ABB-ES		4CAN1L	BAEB	09-DEC-96	18-DEC-96	<	10 UGL	
ABB-ES	ABB-ES		4CLPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL	
ABB-ES	ABB-ES		4CLPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL	
ABB-ES	ABB-ES		4CLPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL	
ABB-ES	ABB-ES		4CLPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL	

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV1	4MP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4MP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4MP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4MP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4MANIL	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			4MANIL	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			4MANIL	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			4MANIL	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			ANAPYL	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANAPYL	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANAPYL	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ANAPYL	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ANTRC	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANTRC	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANTRC	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ANTRC	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			B2CEXM	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			B2CEXM	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			B2CEXM	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			B2CEXM	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			B2CIPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			B2CIPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			B2CIPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			B2CLLE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			B2CLLE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			B2CLLE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			B2CLLE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			B2ENP	BAEA	21-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			B2ENP	BAEA	21-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			B2ENP	BAEB	09-DEC-96	18-DEC-96	<	35 UGL
ABB-ES			BAANTR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BAANTR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BAANTR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV1	BAANTR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BAPYR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BAPYR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BAPYR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BAPYR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBZP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBZP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBZP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBZP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BGHIPI	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BGHIPI	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BGHIPI	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BGHIPI	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BKFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BKFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BKFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BKFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CARBZ	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CARBZ	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CARBZ	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CARBZ	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CHRY	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CHRY	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CHRY	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CHRY	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6BZ	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL6BZ	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL6BZ	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6BZ	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6CP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL6CP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SNV1	CL6CP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6CP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6ET	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL6ET	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL6ET	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6ET	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DBAHA	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DBAHA	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DBAHA	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DBZFUR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DBZFUR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DBZFUR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DBZFUR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DEP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DEP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DEP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DEP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DMP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DMP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DMP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DMP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DNBP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DNBP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DNBP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DNBP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DNOP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DNOP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			DNOP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			DNOP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			FANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			FANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			FANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			FANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			FLRENE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES		SMV1	FLRENE	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			FLRENE	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			FLRENE	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			HC80	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			HC80	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			HC80	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			ICDPYR	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			ICDPYR	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			ICDPYR	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			ISOPHR	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			ISOPHR	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			ISOPHR	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			ISOPHR	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			NAP	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			NAP	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			NAP	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			NB	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			NB	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			NB	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			NB	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			NNDPA	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			NNDPA	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			NNDPA	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			NNDPA	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			PHANTR	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			PHANTR	BAEA	21-NOV-96	27-NOV-96	10 UGL
ABB-ES			PHANTR	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES			PHANTR	BAEB	09-DEC-96	18-DEC-96	10 UGL
ABB-ES		VMS1	111TCE	VAFW	12-DEC-96	12-DEC-96	1 UGL
ABB-ES			111TCE	VAFW	12-DEC-96	12-DEC-96	1 UGL
ABB-ES			111TCE	VAFX	06-DEC-96	14-DEC-96	1 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	111TCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			112TCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			112TCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			112TCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			112TCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			12DCLP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			12DCLP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			12DCLP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			12DCLP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			ACET	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			ACET	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			ACET	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			ACET	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			BROCLM	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			BROCLM	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			BROCLM	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			BROCLM	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C130CP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C130CP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL



Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	C130CP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C130CP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CCL4	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CCL4	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CCL4	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHCL3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	CHCL3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CHCL3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHCL3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CLC6H5	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CLC6H5	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CLC6H5	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CLC6H5	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CS2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CS2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CS2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CS2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			ETC6H5	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			ETC6H5	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			ETC6H5	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			ETC6H5	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			MEC6H5	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			MEC6H5	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			MEC6H5	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			MEK	VAFW	12-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			MEK	VAFW	12-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			MEK	VAFX	06-DEC-96	14-DEC-96	<	15 UGL
ABB-ES			MEK	VAFX	06-DEC-96	14-DEC-96	<	15 UGL
ABB-ES			MTBK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			MTBK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	STYR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			STYR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			STYR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			STYR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			T13DCP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			T13DCP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			T13DCP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			T13DCP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			UNK273	VAFW	12-DEC-96	12-DEC-96	<	1 UGL

Table: Appendix K

## TRIP BLANKS

FT. ALLEN

Contractor	IRDMIS Method Code	Test Lot Name	IRDMIS Field Sample Number	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Unit	IRDMIS Site ID
ABB-ES	VMS1	VAFW 111TCE	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 112TCE	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 11DCE	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 11DCL	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 12DCE	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 12DCL	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 12DCLP	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	5	UGL	TRIP-2
ABB-ES		VAFW ACET	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW BROCLM	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C13DCP	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C2H3CL	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C2H5CL	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C6H6	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CCL4	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CH2CL2	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CH3BR	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CH3CL	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CHBR3	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CHCL3	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CLC6H5	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CS2	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW DBRCLM	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW ETC6H5	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW MEC6H5	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW MEK	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	15	UGL	TRIP-2
ABB-ES		VAFW MIBK	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	5	UGL	TRIP-2
ABB-ES		VAFW MIBK	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	5	UGL	TRIP-2
ABB-ES		VAFW STYR	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW T13DCP	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TCLEA	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TCLEE	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TRCLE	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TXYLEN	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW UNK262	TRIP-2	52856-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		DRO	RNSHSS01	RNSHSS01	52680-02	DRO	DRAC	19-NOV-96	26-NOV-96	348	UGL
ABB-ES			RNSHMW02	RNSHMW02	52856-07	DRO	DRAD	04-DEC-96	10-DEC-96	105	UGL
ABB-ES			RNSHSS02	RNSHSS02	52680-01	DRO	DRAC	19-NOV-96	26-NOV-96	100	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-03	DRO	DRAC	18-NOV-96	26-NOV-96	100	UGL
ABB-ES			RNSHMW01	RNSHMW01	52856-05	DRO	DRAD	03-DEC-96	10-DEC-96	100	UGL
ABB-ES		GPB1	RNSHSS01	RNSHSS01	52680-03	PB	PADF	18-NOV-96	11-DEC-96	3	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-02	PB	PADF	19-NOV-96	11-DEC-96	3	UGL
ABB-ES			RNSHSS02	RNSHSS02	52680-01	PB	PADF	19-NOV-96	11-DEC-96	3	UGL
ABB-ES			RNSHMW01	RNSHMW01	52856-05	PB	PADG	03-DEC-96	12-DEC-96	3	UGL
ABB-ES			RNSHMW02	RNSHMW02	52856-07	PB	PADG	04-DEC-96	12-DEC-96	3	UGL
ABB-ES		GRO	RNSHSS01	RNSHSS01	52680-03	GRO	GRAC	18-NOV-96	21-NOV-96	10	UGL
ABB-ES			RNSHSS02	RNSHSS02	52680-01	GRO	GRAC	19-NOV-96	21-NOV-96	10	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-02	GRO	GRAC	19-NOV-96	21-NOV-96	10	UGL
ABB-ES			RNSHMW01	RNSHMW01	52856-05	GRO	GRAD	03-DEC-96	06-DEC-96	10	UGL
ABB-ES			RNSHMW02	RNSHMW02	52856-07	GRO	GRAD	04-DEC-96	06-DEC-96	10	UGL
ABB-ES		GSE1	RNSHSS01	RNSHSS01	52680-02	SE	SADF	19-NOV-96	11-DEC-96	5	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-03	SE	SADF	18-NOV-96	11-DEC-96	5	UGL
ABB-ES			RNSHSS02	RNSHSS02	52680-01	SE	SADF	19-NOV-96	11-DEC-96	5	UGL
ABB-ES			RNSHMW01	RNSHMW01	52856-05	SE	SADG	03-DEC-96	12-DEC-96	5	UGL
ABB-ES			RNSHMW02	RNSHMW02	52856-07	SE	SADG	04-DEC-96	12-DEC-96	5	UGL
ABB-ES		GTL1	RNSHSS01	RNSHSS01	52680-03	TL	TADF	18-NOV-96	11-DEC-96	10	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-02	TL	TADF	19-NOV-96	11-DEC-96	10	UGL
ABB-ES			RNSHSS02	RNSHSS02	52680-01	TL	TADF	19-NOV-96	11-DEC-96	10	UGL
ABB-ES			RNSHMW01	RNSHMW01	52856-05	TL	TADG	03-DEC-96	12-DEC-96	10	UGL
ABB-ES			RNSHMW02	RNSHMW02	52856-07	TL	TADG	04-DEC-96	12-DEC-96	10	UGL
ABB-ES		HGC1	RNSHMW01	RNSHMW01	52856-05	HG	HACR	03-DEC-96	10-DEC-96	.2	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-03	HG	HACQ	18-NOV-96	10-DEC-96	.2	UGL
ABB-ES			RNSHMW02	RNSHMW02	52856-07	HG	HACR	04-DEC-96	10-DEC-96	.2	UGL
ABB-ES			RNSHSS02	RNSHSS02	52680-01	HG	HACQ	19-NOV-96	10-DEC-96	.2	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-02	HG	HACQ	19-NOV-96	10-DEC-96	.2	UGL
ABB-ES		ICW1	RNSHMW01	RNSHMW01	52856-05	AS	WABM	03-DEC-96	17-DEC-96	5	UGL
ABB-ES			RNSHSS01	RNSHSS01	52680-02	AS	WABL	19-NOV-96	17-DEC-96	5	UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		ICM1	RNSUSB02	RNSUSB02	52680-01	AS	WABL	19-NOV-96	17-DEC-96	<	5 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-03	AS	WABL	18-NOV-96	17-DEC-96	<	5 UGL
ABB-ES			RNSUSB02	RNSUSB02	52856-07	AS	WABH	04-DEC-96	18-DEC-96	<	5 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-05	BE	WABH	03-DEC-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-03	BE	WABL	18-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-01	BE	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-02	BE	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-07	BE	WABH	04-DEC-96	18-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52856-05	CD	WABH	03-DEC-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-01	CD	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-02	CD	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-03	CD	WABL	18-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52856-07	CD	WABH	03-DEC-96	18-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-05	SB	WABH	04-DEC-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-03	SB	WABL	18-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-01	SB	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-02	SB	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-07	SB	WABH	04-DEC-96	18-DEC-96	<	1 UGL
ABB-ES		ICP2	RNSUSB01	RNSUSB01	52856-05	AG	IADL	03-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-03	AG	IADK	18-NOV-96	12-DEC-96	<	10 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-07	AG	IADL	04-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-01	AG	IADK	19-NOV-96	12-DEC-96	<	10 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-02	AG	IADK	19-NOV-96	12-DEC-96	<	10 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-01	AL	IADK	19-NOV-96	12-DEC-96	<	893 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-03	AL	IADK	18-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB02	RNSUSB02	52856-05	AL	IADL	03-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-07	AL	IADL	04-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-02	AL	IADK	19-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-03	BA	IADK	18-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB02	RNSUSB02	52856-07	BA	IADL	04-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-05	BA	IADL	03-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-01	BA	IADK	19-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-02	BA	IADK	19-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-03	CA	IADK	18-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSUSB01	RNSUSB01	52856-05	CA	IADL	03-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSUSB02	RNSUSB02	52680-01	CA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSUSB01	RNSUSB01	52680-02	CA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Code	Method Description	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value Unit
ABB-ES	ICP2		RNSMHW02	RNSMHW02	52856-07	CA	IADL	04-DEC-96	12-DEC-96	5000 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	CO	IADL	03-DEC-96	12-DEC-96	50 UGL
ABB-ES			RNSMWB02	RNSMWB02	52680-01	CO	IADK	19-NOV-96	12-DEC-96	50 UGL
ABB-ES			RNSMSS01	RNSMSS01	52680-02	CO	IADK	19-NOV-96	12-DEC-96	50 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	CO	IADL	04-DEC-96	12-DEC-96	50 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-03	CO	IADK	18-NOV-96	12-DEC-96	50 UGL
ABB-ES			RNSMWB02	RNSMWB02	52680-01	CR	IADK	19-NOV-96	12-DEC-96	10.4 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-03	CR	IADK	18-NOV-96	12-DEC-96	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	CR	IADL	04-DEC-96	12-DEC-96	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	CR	IADL	03-DEC-96	12-DEC-96	10 UGL
ABB-ES			RNSMSS01	RNSMSS01	52680-02	CR	IADK	19-NOV-96	12-DEC-96	10 UGL
ABB-ES			RNSMWB01	RNSMWB01	52856-05	CU	IADL	03-DEC-96	12-DEC-96	25 UGL
ABB-ES			RNSMWB02	RNSMWB02	52680-03	CU	IADK	18-NOV-96	12-DEC-96	25 UGL
ABB-ES			RNSMSS01	RNSMSS01	52680-02	CU	IADK	19-NOV-96	12-DEC-96	25 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-01	CU	IADK	19-NOV-96	12-DEC-96	25 UGL
ABB-ES			RNSMWB02	RNSMWB02	52856-07	CU	IADL	04-DEC-96	12-DEC-96	25 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-01	FE	IADK	19-NOV-96	12-DEC-96	1120 UGL
ABB-ES			RNSMWB02	RNSMWB02	52680-03	FE	IADK	18-NOV-96	12-DEC-96	100 UGL
ABB-ES			RNSMSS01	RNSMSS01	52856-05	FE	IADL	03-DEC-96	12-DEC-96	100 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-02	FE	IADL	04-DEC-96	12-DEC-96	100 UGL
ABB-ES			RNSMWB02	RNSMWB02	52856-07	FE	IADL	03-DEC-96	12-DEC-96	100 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	K	IADK	19-NOV-96	12-DEC-96	5000 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-03	K	IADK	18-NOV-96	12-DEC-96	5000 UGL
ABB-ES			RNSMSS01	RNSMSS01	52680-02	K	IADK	19-NOV-96	12-DEC-96	5000 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	K	IADL	04-DEC-96	12-DEC-96	5000 UGL
ABB-ES			RNSMWB01	RNSMWB01	52856-07	MG	IADL	04-DEC-96	12-DEC-96	5000 UGL
ABB-ES			RNSMWB02	RNSMWB02	52680-01	MG	IADK	19-NOV-96	12-DEC-96	5000 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	MG	IADL	03-DEC-96	12-DEC-96	5000 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-03	MG	IADK	18-NOV-96	12-DEC-96	5000 UGL
ABB-ES			RNSMWB02	RNSMWB02	52680-02	MG	IADK	19-NOV-96	12-DEC-96	5000 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-01	MN	IADK	19-NOV-96	12-DEC-96	49.6 UGL
ABB-ES			RNSMWB02	RNSMWB02	52856-05	MN	IADL	03-DEC-96	12-DEC-96	15 UGL
ABB-ES			RNSMWB01	RNSMWB01	52680-03	MN	IADK	18-NOV-96	12-DEC-96	15 UGL
ABB-ES			RNSMWB02	RNSMWB02	52856-07	MN	IADL	04-DEC-96	12-DEC-96	15 UGL
ABB-ES			RNSMSS01	RNSMSS01	52680-02	MN	IADK	19-NOV-96	12-DEC-96	15 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	NA	IADL	03-DEC-96	12-DEC-96	5000 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	NA	IADL	04-DEC-96	12-DEC-96	5000 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	ICP2		RNSWSB01	52680-03	MA	IADK	18-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSWSB02	52680-01	MA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSWS01	52680-02	MA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSWMA01	52856-05	NI	IADL	03-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			RNSWMA02	52856-07	NI	IADL	04-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			RNSWSB01	52680-03	NI	IADK	18-NOV-96	12-DEC-96	<	40 UGL
ABB-ES			RNSWSB02	52680-01	NI	IADK	19-NOV-96	12-DEC-96	<	40 UGL
ABB-ES			RNSWS01	52680-02	NI	IADK	19-NOV-96	12-DEC-96	<	40 UGL
ABB-ES			RNSWMA02	52856-07	V	IADL	04-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			RNSWSB01	52680-03	V	IADK	18-NOV-96	12-DEC-96	<	50 UGL
ABB-ES			RNSWSB02	52680-01	V	IADK	19-NOV-96	12-DEC-96	<	50 UGL
ABB-ES			RNSWMA01	52856-05	V	IADL	03-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			RNSWS01	52680-02	V	IADL	03-DEC-96	12-DEC-96	<	20 UGL
ABB-ES			RNSWMA02	52856-05	ZN	IADL	04-DEC-96	12-DEC-96	<	20 UGL
ABB-ES			RNSWSB01	52680-03	ZN	IADK	18-NOV-96	12-DEC-96	<	20 UGL
ABB-ES			RNSWSB02	52680-01	ZN	IADK	19-NOV-96	12-DEC-96	<	20 UGL
ABB-ES			RNSWS01	52680-02	ZN	IADK	19-NOV-96	12-DEC-96	<	20 UGL
ABB-ES	SHV1		RNSWSB02	52680-01	124TCB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	52680-03	124TCB	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	52680-02	124TCB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	52856-05	124TCB	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	52856-07	124TCB	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	52680-01	120CLB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	52680-03	120CLB	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	52680-02	120CLB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	52856-05	120CLB	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	52856-07	120CLB	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	52680-01	130CLB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	52680-03	130CLB	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	52680-02	130CLB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	52856-05	130CLB	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	52856-07	130CLB	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	52680-01	140CLB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	52680-03	140CLB	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	52680-02	140CLB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	52856-05	140CLB	BAEB	03-DEC-96	13-DEC-96	<	10 UGL



Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value Unit
ABB-ES		SMV1	RNSMHW02	RNSMHW02	52856-07	14DCLB	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	245TCP	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	245TCP	BAEA	18-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	245TCP	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	245TCP	BAEB	03-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	245TCP	BAEB	04-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	246TCP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	246TCP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	246TCP	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	246TCP	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	246TCP	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	24DCLP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	24DCLP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	24DCLP	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	24DCLP	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	24DCLP	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	24DMPN	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	24DMPN	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	24DMPN	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	24DMPN	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	24DMPN	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-01	24DNP	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	24DNP	BAEA	18-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	24DNP	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	24DNP	BAEB	03-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	24DNP	BAEB	04-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	24DNT	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	24DNT	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	24DNT	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	24DNT	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	24DNT	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-01	26DNT	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	26DNT	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSHSB01	RNSHSB01	52680-03	26DNT	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	26DNT	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	26DNT	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	2CLP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-03	2CLP	BAEA	18-NOV-96	27-NOV-96	10 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SHV1	RNSMS01	RNSMS01	52680-02	2CLP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	2CLP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	2CLP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	2CNAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	2CNAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	2CNAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	2CNAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	2CNAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	2NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	2NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	2NAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	2NAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	2NAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	2NANIL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	2NANIL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	2NANIL	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	2NANIL	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	2NANIL	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	2NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	2NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	2NAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	2NAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	2NAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	3DCB0	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	3DCB0	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	3DCB0	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	3DCB0	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	3DCB0	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	3NANIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	3NANIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	3NANIL	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	3NANIL	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	3NANIL	BAEB	04-DEC-96	13-DEC-96	<	25 UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value Unit
ABB-ES		SMV1	RNSWSB02	52680-01	46N2C	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSB01	52680-03	46N2C	BAEA	18-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSS01	52680-02	46N2C	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSMMW01	52856-05	46N2C	BAEB	03-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSMMW02	52856-07	46N2C	BAEB	04-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSWSB02	52680-01	4BRPPE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSB01	52680-03	4BRPPE	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	52680-02	4BRPPE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMMW01	52856-05	4BRPPE	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMMW02	52856-07	4BRPPE	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSWSB02	52680-01	4CANIL	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSB01	52680-03	4CANIL	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	52680-02	4CANIL	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMMW01	52856-05	4CANIL	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMMW02	52856-07	4CANIL	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSWSB02	52680-01	4CL3C	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSB01	52680-03	4CL3C	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	52680-02	4CL3C	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMMW01	52856-05	4CL3C	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMMW02	52856-07	4CL3C	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSWSB02	52680-01	4CLPPE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSB01	52680-03	4CLPPE	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	52680-02	4CLPPE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMMW01	52856-05	4CLPPE	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMMW02	52856-07	4CLPPE	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSWSB02	52680-01	4NP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSS01	52680-02	4NP	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSWSB01	52680-03	4NP	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSMMW01	52856-05	4NP	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSMMW02	52856-07	4NP	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSWSB02	52680-01	4NANIL	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSB01	52680-03	4NANIL	BAEA	18-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSS01	52680-02	4NANIL	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSMMW01	52856-05	4NANIL	BAEB	03-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSMMW02	52856-07	4NANIL	BAEB	04-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSWSB02	52680-01	4NP	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSS01	52680-02	4NP	BAEA	19-NOV-96	27-NOV-96	25 UGL
ABB-ES			RNSWSB01	52680-03	4NP	BAEA	18-NOV-96	27-NOV-96	25 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SHV1	RNSHMA01	RNSHMA01	52856-05	4NP	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	4NP	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSHMA02	RNSHMA02	52680-01	ANAPNE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	ANAPNE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-02	ANAPNE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-05	ANAPNE	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	ANAPNE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-01	ANAPYL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	ANAPYL	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52680-02	ANAPYL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52856-05	ANAPYL	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	ANAPYL	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-01	ANTRC	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	ANTRC	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-05	ANTRC	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	ANTRC	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-01	B2CEXH	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	B2CEXH	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52680-02	B2CEXH	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52856-05	B2CEXH	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	B2CEXH	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-01	B2CIPE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	B2CIPE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52680-02	B2CIPE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52856-05	B2CIPE	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	B2CIPE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-01	B2CLEE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	B2CLEE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52680-02	B2CLEE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52856-07	B2CLEE	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-05	B2CLEE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-01	B2EHP	BAEA	19-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			RNSHMA01	RNSHMA01	52680-03	B2EHP	BAEA	18-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			RNSHMA02	RNSHMA02	52856-07	B2EHP	BAEA	19-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			RNSHMA01	RNSHMA01	52856-05	B2EHP	BAEB	03-DEC-96	13-DEC-96	<	35 UGL
ABB-ES			RNSHMA02	RNSHMA02	52680-01	BAAMTR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	SMV1	RNSH801	RNSH801	52680-03	BAANTR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	BAANTR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-07	BAANTR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-05	BAANTR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-01	BAPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	BAPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-03	BAPYR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-05	BAPYR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-01	BBFANT	BAEA	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	BBFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-03	BBFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-07	BBFANT	BAEA	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-05	BBFANT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-01	BBZP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-02	BBZP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-03	BBZP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-07	BBZP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-05	BBZP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-01	BGHIPT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	BGHIPT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-07	BGHIPT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-05	BGHIPT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-01	BKFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	BKFANT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-07	BKFANT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-05	BKFANT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-01	CARBZ	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	CARBZ	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-07	CARBZ	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52856-05	CARBZ	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52680-01	CHRY	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH801	RNSH801	52680-02	CHRY	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES		RNSH802	RNSH802	52856-07	CHRY	BAEB	04-DEC-96	13-DEC-96	<	10 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SHV1	RNSJMA01	RNSJMA01	52856-05	CHRY	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	CL6BZ	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	CL6BZ	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	CL6BZ	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CL6BZ	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CL6BZ	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	CL6CP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	CL6CP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	CL6CP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CL6CP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CL6CP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	CL6ET	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	CL6ET	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	CL6ET	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CL6ET	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CL6ET	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	DBAHA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	DBAHA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	DBAHA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	DBAHA	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	DBAHA	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	DBZFLUR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	DBZFLUR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	DBZFLUR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	DBZFLUR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	DBZFLUR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	DEP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	DEP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	DEP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	DEP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	DEP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	DNP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	DNP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	DNP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	DNP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	DNP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSJMS802	RNSJMS802	52680-01	DNPB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-03	DNPB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSJMS801	RNSJMS801	52680-02	DNPB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSWSS01	RNSWSS01	52680-02	DNBP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	DNBP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52856-05	DNBP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	DNBP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	DNBP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	DNBP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	DNBP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52856-05	DNBP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	FANT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	FANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	FANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	FANT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52856-05	FANT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	FLRENE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-02	FLRENE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	FLRENE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	FLRENE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMW01	RNSWMW01	52856-05	FLRENE	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	HCB0	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	HCB0	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	HCB0	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	HCB0	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52856-05	HCB0	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	ICDPYR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-02	ICDPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	ICDPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	ICDPYR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMW01	RNSWMW01	52856-05	ICDPYR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	ISOPHR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	ISOPHR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	ISOPHR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	ISOPHR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMW01	RNSWMW01	52856-05	ISOPHR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	NAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMW02	RNSWMW02	52856-07	NAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMW01	RNSWMW01	52856-05	NAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSMSB01	RNSMSB01	52680-03	NB	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	NB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	NB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	NB	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	NB	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	NNDNPA	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	NNDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	NNDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	NNDNPA	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	NNDNPA	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	NNDNPA	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	NNDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	NNDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	NNDNPA	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	NNDNPA	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PCP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	PCP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	PCP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	PCP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	PCP	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PHANTR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	PHANTR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	PHANTR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	PHANTR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	PHANTR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PHENOL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	PHENOL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	PHENOL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	PHENOL	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	PHENOL	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PYR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMS01	RNSMS01	52680-02	PYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	PYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	PYR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	PYR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52856-05	UNK337	BAEB	03-DEC-96	13-DEC-96	<	2 UGL
ABB-ES			RNSMA02	RNSMA02	52856-07	UNK563	BAEB	04-DEC-96	13-DEC-96	<	3 UGL
ABB-ES			RNSMA01	RNSMA01	52856-05	UNK563	BAEB	03-DEC-96	13-DEC-96	<	2 UGL



Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSWSB01	52680-03	UNK583	BAEA	18-NOV-96	27-NOV-96	20	UGL
ABB-ES			RNSWS01	52680-02	UNK583	BAEA	19-NOV-96	27-NOV-96	20	UGL
ABB-ES			RNSMMW02	52856-07	UNK583	BAEB	04-DEC-96	13-DEC-96	20	UGL
ABB-ES			RNSMMW01	52856-05	UNK583	BAEB	03-DEC-96	13-DEC-96	20	UGL
ABB-ES			RNSWSB02	52680-01	UNK583	BAEA	19-NOV-96	27-NOV-96	10	UGL
ABB-ES			RNSMMW01	52856-05	UNK590	BAEB	03-DEC-96	13-DEC-96	2	UGL
ABB-ES			RNSMMW02	52856-07	UNK591	BAEB	04-DEC-96	13-DEC-96	3	UGL
ABB-ES			RNSWS01	52680-02	UNK595	BAEA	19-NOV-96	27-NOV-96	9	UGL
ABB-ES			RNSWSB01	52680-03	UNK595	BAEA	18-NOV-96	27-NOV-96	8	UGL
ABB-ES			RNSWSB02	52680-01	UNK595	BAEA	19-NOV-96	27-NOV-96	6	UGL
ABB-ES			RNSMMW02	52856-07	UNK595	BAEB	04-DEC-96	13-DEC-96	3	UGL
ABB-ES			RNSMMW01	52856-05	UNK595	BAEB	03-DEC-96	13-DEC-96	3	UGL
ABB-ES			RNSWSB02	52680-01	UNK646	BAEA	19-NOV-96	27-NOV-96	3	UGL
ABB-ES			RNSWSB02	52680-01	UNK651	BAEA	19-NOV-96	27-NOV-96	4	UGL
ABB-ES			RNSWSB02	52680-01	UNK657	BAEA	19-NOV-96	27-NOV-96	3	UGL
ABB-ES			RNSWSB02	52680-01	UNK665	BAEA	19-NOV-96	27-NOV-96	2	UGL
ABB-ES		VMS1	RNSMMW01	52856-05	111TCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	111TCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	112TCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	112TCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	11DCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	11DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	11DCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	11DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	12DCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	12DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	12DCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	12DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	12DCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	12DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	12DCE	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	12DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	13DCE	VAFX	03-DEC-96	14-DEC-96	2.2	UGL
ABB-ES			RNSMMW02	52856-07	13DCE	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	ACET	VAFX	03-DEC-96	14-DEC-96	5	UGL
ABB-ES			RNSMMW02	52856-07	ACET	VAFX	04-DEC-96	14-DEC-96	5	UGL
ABB-ES			RNSMMW01	52856-05	BRDCLM	VAFX	03-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW02	52856-07	BRDCLM	VAFX	04-DEC-96	14-DEC-96	1	UGL
ABB-ES			RNSMMW01	52856-05	C13DCP	VAFX	03-DEC-96	14-DEC-96	1	UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		VMS1	RNSJMA02	RNSJMA02	52856-07	C130CP	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	C2H3CL	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	C2H3CL	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	C2H5CL	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	C2H5CL	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	C6H6	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	C6H6	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CCL4	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CCL4	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CH2CL2	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CH2CL2	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CH3BR	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CH3BR	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CH3CL	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CH3CL	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CHBR3	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CHBR3	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CHCL3	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CHCL3	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CLC6H5	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CLC6H5	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	CS2	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	CS2	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	DBRCLM	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	DBRCLM	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	ETC6H5	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	ETC6H5	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	MEC6H5	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	MEC6H5	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	MEK	VAFX	03-DEC-96	14-DEC-96	<	15 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	MEK	VAFX	04-DEC-96	14-DEC-96	<	15 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	MTBK	VAFX	03-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	MTBK	VAFX	04-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	MMBK	VAFX	03-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	MMBK	VAFX	04-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	STYR	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	STYR	VAFX	04-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA01	RNSJMA01	52856-05	T13DCP	VAFX	03-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			RNSJMA02	RNSJMA02	52856-07	T13DCP	VAFX	04-DEC-96	14-DEC-96	<	1 UGL

Table: Appendix K  
SEMIVOLATILE SURROGATES  
FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES		SHV1	246TBP	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	75	45 UGL	60.0
ABB-ES		SHV1	246TBP	RNSWS01	RNSWS01	52680-02	BAEA	19-NOV-96	27-NOV-96	75	44 UGL	58.7
ABB-ES		SHV1	246TBP	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	75	45 UGL	60.0
ABB-ES		SHV1	246TBP	MI-03-01	M030126X	52856-01	BAEB	04-DEC-96	13-DEC-96	75	62 UGL	82.7
ABB-ES		SHV1	246TBP	MI-03-02	M030222X	52856-02	BAEB	04-DEC-96	13-DEC-96	75	54 UGL	72.0
ABB-ES		SHV1	246TBP	MI-08-01	M080120X	52856-03	BAEB	03-DEC-96	13-DEC-96	75	53 UGL	70.7
ABB-ES		SHV1	246TBP	MI-09-01	M090113X	52856-04	BAEB	04-DEC-96	13-DEC-96	75	45 UGL	60.0
ABB-ES		SHV1	246TBP	RNSWMW01	RNSWMW01	52856-05	BAEB	03-DEC-96	13-DEC-96	75	60 UGL	80.0
ABB-ES		SHV1	246TBP	RNSWMW02	RNSWMW02	52856-07	BAEB	04-DEC-96	13-DEC-96	75	64 UGL	85.3
ABB-ES		SHV1	246TBP			BAEA-BS1	BAEA		27-NOV-96	75	62 UGL	82.7
ABB-ES		SHV1	246TBP			BAEA-BS2	BAEA		27-NOV-96	75	56 UGL	74.7
ABB-ES		SHV1	246TBP			BAEB-BS1	BAEB		18-DEC-96	75	62 UGL	82.7
ABB-ES		SHV1	246TBP			BAEB-BS2	BAEB		18-DEC-96	75	68 UGL	90.7
			*****									
			avg									73.8
			minimum									58.7
			maximum									90.7
ABB-ES		SHV1	2FBP	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	50	23 UGL	46.0
ABB-ES		SHV1	2FBP	RNSWS01	RNSWS01	52680-02	BAEA	19-NOV-96	27-NOV-96	50	27 UGL	54.0
ABB-ES		SHV1	2FBP	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	50	24 UGL	48.0
ABB-ES		SHV1	2FBP	MI-03-01	M030126X	52856-01	BAEB	04-DEC-96	13-DEC-96	50	31 UGL	62.0
ABB-ES		SHV1	2FBP	MI-03-02	M030222X	52856-02	BAEB	04-DEC-96	13-DEC-96	50	26 UGL	52.0
ABB-ES		SHV1	2FBP	MI-08-01	M080120X	52856-03	BAEB	04-DEC-96	13-DEC-96	50	27 UGL	54.0
ABB-ES		SHV1	2FBP	MI-09-01	M090113X	52856-04	BAEB	04-DEC-96	13-DEC-96	50	22 UGL	44.0
ABB-ES		SHV1	2FBP	RNSWMW01	RNSWMW01	52856-05	BAEB	03-DEC-96	13-DEC-96	50	28 UGL	56.0
ABB-ES		SHV1	2FBP	RNSWMW02	RNSWMW02	52856-07	BAEB	04-DEC-96	13-DEC-96	50	31 UGL	62.0
ABB-ES		SHV1	2FBP			BAEA-BS1	BAEA		27-NOV-96	50	33 UGL	66.0
ABB-ES		SHV1	2FBP			BAEA-BS2	BAEA		27-NOV-96	50	29 UGL	58.0
ABB-ES		SHV1	2FBP			BAEB-BS1	BAEB		18-DEC-96	50	28 UGL	56.0
ABB-ES		SHV1	2FBP			BAEB-BS2	BAEB		18-DEC-96	50	32 UGL	64.0
			*****									
			avg									55.5
			minimum									44.0
			maximum									66.0
ABB-ES		SHV1	2FP	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	75	50 UGL	66.7
ABB-ES		SHV1	2FP	RNSWS01	RNSWS01	52680-02	BAEA	19-NOV-96	27-NOV-96	75	56 UGL	74.7

Table: Appendix K  
SEMIVOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRDMIS Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	SHV1	SHV1	2FP	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	75	52 UGL	69.3
ABB-ES	SHV1	SHV1	2FP	MAJ-03-01	M030126X	52656-01	BAEB	04-DEC-96	13-DEC-96	75	55 UGL	73.3
ABB-ES	SHV1	SHV1	2FP	MAJ-03-02	M030222X	52656-02	BAEB	04-DEC-96	13-DEC-96	75	48 UGL	64.0
ABB-ES	SHV1	SHV1	2FP	MAJ-08-01	M080120X	52656-03	BAEB	03-DEC-96	13-DEC-96	75	51 UGL	68.0
ABB-ES	SHV1	SHV1	2FP	MAJ-09-01	M090113X	52656-04	BAEB	04-DEC-96	13-DEC-96	75	40 UGL	53.3
ABB-ES	SHV1	SHV1	2FP	RNSWSM01	RNSWSM01	52656-05	BAEB	03-DEC-96	13-DEC-96	75	52 UGL	69.3
ABB-ES	SHV1	SHV1	2FP	RNSWSM02	RNSWSM02	52656-07	BAEB	04-DEC-96	13-DEC-96	75	61 UGL	81.3
ABB-ES	SHV1	SHV1	2FP		BAEA-BS1	BAEA		27-NOV-96		75	64 UGL	85.3
ABB-ES	SHV1	SHV1	2FP		BAEA-BS2	BAEA		27-NOV-96		75	62 UGL	82.7
ABB-ES	SHV1	SHV1	2FP		BAEB-BS1	BAEB		18-DEC-96		75	51 UGL	68.0
ABB-ES	SHV1	SHV1	2FP		BAEB-BS2	BAEB		18-DEC-96		75	53 UGL	70.7
			*****									
			avg									71.3
			minimum									53.3
			maximum									85.3
ABB-ES	SHV1	SHV1	NBD5	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	50	34 UGL	68.0
ABB-ES	SHV1	SHV1	NBD5	RNSWS01	RNSWS01	52680-02	BAEA	19-NOV-96	27-NOV-96	50	38 UGL	76.0
ABB-ES	SHV1	SHV1	NBD5	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	50	34 UGL	68.0
ABB-ES	SHV1	SHV1	NBD5	MAJ-03-01	M030126X	52656-01	BAEB	04-DEC-96	13-DEC-96	50	43 UGL	86.0
ABB-ES	SHV1	SHV1	NBD5	MAJ-03-02	M030222X	52656-02	BAEB	04-DEC-96	13-DEC-96	50	33 UGL	66.0
ABB-ES	SHV1	SHV1	NBD5	MAJ-08-01	M080120X	52656-03	BAEB	03-DEC-96	13-DEC-96	50	38 UGL	76.0
ABB-ES	SHV1	SHV1	NBD5	MAJ-09-01	M090113X	52656-04	BAEB	04-DEC-96	13-DEC-96	50	28 UGL	56.0
ABB-ES	SHV1	SHV1	NBD5	RNSWSM01	RNSWSM01	52656-05	BAEB	03-DEC-96	13-DEC-96	50	36 UGL	72.0
ABB-ES	SHV1	SHV1	NBD5	RNSWSM02	RNSWSM02	52656-07	BAEB	04-DEC-96	13-DEC-96	50	41 UGL	82.0
ABB-ES	SHV1	SHV1	NBD5			BAEA-BS1	BAEA	27-NOV-96		50	44 UGL	88.0
ABB-ES	SHV1	SHV1	NBD5			BAEA-BS2	BAEA	27-NOV-96		50	44 UGL	88.0
ABB-ES	SHV1	SHV1	NBD5			BAEB-BS1	BAEB	18-DEC-96		50	35 UGL	70.0
ABB-ES	SHV1	SHV1	NBD5			BAEB-BS2	BAEB	18-DEC-96		50	40 UGL	80.0
			*****									
			avg									75.1
			minimum									56.0
			maximum									88.0
ABB-ES	SHV1	SHV1	TRPD14	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	50	40 UGL	80.0
ABB-ES	SHV1	SHV1	TRPD14	RNSWS01	RNSWS01	52680-02	BAEA	19-NOV-96	27-NOV-96	50	37 UGL	74.0
ABB-ES	SHV1	SHV1	TRPD14	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	50	38 UGL	76.0
ABB-ES	SHV1	SHV1	TRPD14	MAJ-03-01	M030126X	52656-01	BAEB	04-DEC-96	13-DEC-96	50	44 UGL	88.0

Table: Appendix K  
SEMIVOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES		SHV1	TRPD14	MJ-03-02	M030222X	52856-02	BAEB	04-DEC-96	13-DEC-96	50	38 UGL	76.0
ABB-ES		SHV1	TRPD14	MJ-08-01	M080120X	52856-03	BAEB	03-DEC-96	13-DEC-96	50	28 UGL	56.0
ABB-ES		SHV1	TRPD14	MJ-09-01	M090113X	52856-04	BAEB	04-DEC-96	13-DEC-96	50	36 UGL	72.0
ABB-ES		SHV1	TRPD14	RNSMM01	RNSMM01	52856-05	BAEB	03-DEC-96	13-DEC-96	50	47 UGL	94.0
ABB-ES		SHV1	TRPD14	RNSMM02	RNSMM02	52856-07	BAEB	04-DEC-96	13-DEC-96	50	50 UGL	100.0
ABB-ES		SHV1	TRPD14			BAEA-BS1	BAEA	27-NOV-96		50	40 UGL	80.0
ABB-ES		SHV1	TRPD14			BAEA-BS2	BAEA	27-NOV-96		50	44 UGL	88.0
ABB-ES		SHV1	TRPD14			BAEB-BS1	BAEB	18-DEC-96		50	41 UGL	82.0
ABB-ES		SHV1	TRPD14			BAEB-BS2	BAEB	18-DEC-96		50	48 UGL	96.0
			*****									
			avg									81.7
			minimum									56.0
			maximum									100.0
ABB-ES		SHV2	246TBP	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SHV2	246TBP	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	2.5	1.2 UGG	48.0
ABB-ES		SHV2	246TBP	SB-M9-01	B090112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1.3 UGG	76.5
ABB-ES		SHV2	246TBP	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	2.5	1.5 UGG	60.0
ABB-ES		SHV2	246TBP	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	2.5	1.2 UGG	48.0
ABB-ES		SHV2	246TBP	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	2.5	1.1 UGG	44.0
ABB-ES		SHV2	246TBP	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SHV2	246TBP	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	18-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SHV2	246TBP	SS-CW-01	SCW0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SHV2	246TBP	SS-MM-01	SMM0102X	52678-10	BSBS	19-NOV-96	18-DEC-96	2.5	1.7 UGG	68.0
ABB-ES		SHV2	246TBP	SS-09-01	S090101X	52678-11	BSBS	19-NOV-96	18-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SHV2	246TBP	SS-09-02	S090201X	52678-12	BSBS	19-NOV-96	16-DEC-96	2.5	1.2 UGG	48.0
ABB-ES		SHV2	246TBP	SS-M9-01	SM90101X	52678-13	BSBS	19-NOV-96	18-DEC-96	2.5	1.4 UGG	56.0
ABB-ES		SHV2	246TBP	SB-09-01	B090112X	52678-14	BSBS	18-NOV-96	16-DEC-96	2.5	1.1 UGG	44.0
ABB-ES		SHV2	246TBP	SB-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	2.5	2 UGG	80.0
ABB-ES		SHV2	246TBP			BSBS-BS1	BSBS	16-DEC-96		2.5	1.4 UGG	56.0
ABB-ES		SHV2	246TBP			BSBS-BS2	BSBS	16-DEC-96		2.5	1.1 UGG	44.0
			*****									
			avg									58.4
			minimum									44.0
			maximum									80.0
ABB-ES	2FBP	SHV2		SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7

Table: Appendix K  
SEMIVOLATILE SURROGATES  
FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES		SMV2	2FBP	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	2FBP	SB-M9-01	B090112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	2FBP	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	2FBP	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	1.7	.86 UGG	50.6
ABB-ES		SMV2	2FBP	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	1.7	.83 UGG	48.8
ABB-ES		SMV2	2FBP	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	1.7	.98 UGG	57.6
ABB-ES		SMV2	2FBP	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	18-DEC-96	1.7	.99 UGG	58.2
ABB-ES		SMV2	2FBP	SS-CM-01	SCM0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	1.7	.82 UGG	48.2
ABB-ES		SMV2	2FBP	SS-WJ-01	SWJ0102X	52678-10	BSBS	19-NOV-96	18-DEC-96	1.7	.99 UGG	58.2
ABB-ES		SMV2	2FBP	SS-09-01	SO90101X	52678-11	BSBS	19-NOV-96	18-DEC-96	1.7	.97 UGG	57.1
ABB-ES		SMV2	2FBP	SS-09-02	SO90201X	52678-12	BSBS	19-NOV-96	16-DEC-96	1.7	.99 UGG	58.2
ABB-ES		SMV2	2FBP	SS-M9-01	SM90101X	52678-13	BSBS	19-NOV-96	18-DEC-96	1.7	.96 UGG	56.5
ABB-ES		SMV2	2FBP	SB-09-01	B090112X	52678-14	BSBS	18-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	2FBP	SB-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	1.7	1.7 UGG	100.0
ABB-ES		SMV2	2FBP		BSBS-BS1		BSBS		16-DEC-96	1.7	.92 UGG	54.1
ABB-ES		SMV2	2FBP		BSBS-BS2		BSBS		16-DEC-96	1.7	.85 UGG	50.0
			*****									
			avg									58.7
			minimum									48.2
			maximum									100.0
ABB-ES		SMV2	2FP	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	2.5	1.7 UGG	68.0
ABB-ES		SMV2	2FP	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	2.5	1.8 UGG	72.0
ABB-ES		SMV2	2FP	SB-M9-01	B090112X	52678-03	BSBS	19-NOV-96	16-DEC-96	2.5	1.7 UGG	68.0
ABB-ES		SMV2	2FP	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SMV2	2FP	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	2.5	1.4 UGG	56.0
ABB-ES		SMV2	2FP	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	2.5	1.4 UGG	56.0
ABB-ES		SMV2	2FP	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	2.5	1.7 UGG	68.0
ABB-ES		SMV2	2FP	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	18-DEC-96	2.5	1.7 UGG	68.0
ABB-ES		SMV2	2FP	SS-CM-01	SCM0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	2.5	1.4 UGG	56.0
ABB-ES		SMV2	2FP	SS-WJ-01	SWJ0102X	52678-10	BSBS	19-NOV-96	18-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SMV2	2FP	SS-09-01	SO90101X	52678-11	BSBS	19-NOV-96	18-DEC-96	2.5	1.5 UGG	60.0
ABB-ES		SMV2	2FP	SS-09-02	SO90201X	52678-12	BSBS	19-NOV-96	16-DEC-96	2.5	1.6 UGG	64.0
ABB-ES		SMV2	2FP	SS-M9-01	SM90101X	52678-13	BSBS	19-NOV-96	18-DEC-96	2.5	1.3 UGG	52.0
ABB-ES		SMV2	2FP	SB-09-01	B090112X	52678-14	BSBS	18-NOV-96	16-DEC-96	2.5	1.5 UGG	60.0
ABB-ES		SMV2	2FP	SB-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	2.5	2.6 UGG	104.0
ABB-ES		SMV2	2FP		BSBS-BS1		BSBS		16-DEC-96	2.5	1.5 UGG	60.0
ABB-ES		SMV2	2FP		BSBS-BS2		BSBS		16-DEC-96	2.5	1.4 UGG	56.0

Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	SMV2	SMV2	NBD5	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES	SMV2	SMV2	NBD5	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES	SMV2	SMV2	NBD5	SB-M9-01	BH90112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	NBD5	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES	SMV2	SMV2	NBD5	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	1.7	.87 UGG	51.2
ABB-ES	SMV2	SMV2	NBD5	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	1.7	.83 UGG	48.8
ABB-ES	SMV2	SMV2	NBD5	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES	SMV2	SMV2	NBD5	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	64.7
ABB-ES	SMV2	SMV2	NBD5	SS-CH-01	SCW0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	1.7	.91 UGG	53.5
ABB-ES	SMV2	SMV2	NBD5	SS-MM-01	SMW0102X	52678-10	BSBS	19-NOV-96	18-DEC-96	1.7	1 UGG	58.8
ABB-ES	SMV2	SMV2	NBD5	SS-09-01	S090101X	52678-11	BSBS	19-NOV-96	18-DEC-96	1.7	.99 UGG	58.2
ABB-ES	SMV2	SMV2	NBD5	SS-09-02	S090201X	52678-12	BSBS	19-NOV-96	16-DEC-96	1.7	.92 UGG	54.1
ABB-ES	SMV2	SMV2	NBD5	SB-M9-01	SMW0101X	52678-13	BSBS	19-NOV-96	18-DEC-96	1.7	.87 UGG	51.2
ABB-ES	SMV2	SMV2	NBD5	SB-09-01	B090112X	52678-14	BSBS	18-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	NBD5	SB-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	1.7	1.7 UGG	100.0
ABB-ES	SMV2	SMV2	NBD5	BSBS	BSBS	BSBS	BSBS	16-DEC-96	16-DEC-96	1.7	.93 UGG	54.7
ABB-ES	SMV2	SMV2	NBD5	BSBS	BSBS	BSBS	BSBS	16-DEC-96	16-DEC-96	1.7	.83 UGG	48.8
*****												
			avg									59.3
			minimum									48.8
			maximum									100.0
ABB-ES	SMV2	SMV2	TRPD14	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	1.7	1.3 UGG	76.5
ABB-ES	SMV2	SMV2	TRPD14	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	1.7	1.5 UGG	88.2
ABB-ES	SMV2	SMV2	TRPD14	SB-M9-01	BH90112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1.4 UGG	82.4
ABB-ES	SMV2	SMV2	TRPD14	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	TRPD14	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	TRPD14	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES	SMV2	SMV2	TRPD14	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	TRPD14	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	18-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	TRPD14	SS-CH-01	SCW0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	1.7	1.1 UGG	64.7
ABB-ES	SMV2	SMV2	TRPD14	SS-MM-01	SMW0102X	52678-10	BSBS	19-NOV-96	18-DEC-96	1.7	1.2 UGG	70.6
ABB-ES	SMV2	SMV2	TRPD14	SS-09-01	S090101X	52678-11	BSBS	19-NOV-96	18-DEC-96	1.7	1.1 UGG	64.7

**FT. ALLEN**

Contractor Method Description		IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES		SMV2	TRPD14	SS-09-02	S090201X	52678-12	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	SS-M9-01	SM90101X	52678-13	BSBS	19-NOV-96	18-DEC-96	1.7	.96 UGG	56.5
ABB-ES		SMV2	TRPD14	S8-09-01	B090112X	52678-14	BSBS	18-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	S8-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	1.7	2 UGG	117.6
ABB-ES		SMV2	TRPD14			BSBS-BS1	BSBS		16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	*****		BSBS-BS2	BSBS		16-DEC-96	1.7	1.1 UGG	64.7
avg												70.4
minimum												56.5
maximum												117.6





**GRO/DRO VALIDATION REPORT AND DRO CHROMATOGRAMS**

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**ABB Environmental Services, Inc.**

## GRO/DRO DATA VALIDATION REPORT

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**ABB Environmental Services, Inc.**

**DATA VALIDATION REPORT  
MODIFIED USEPA METHOD 8015A FOR GRO/DRO  
SITE INSPECTION REPORT  
FORT ALLEN, JUANA DIAZ, PUERTO RICO**

**Introduction:** The purpose of this report is to summarize data validation procedures and actions for review of data generated using Modified USEPA Method 8015A for gasoline range hydrocarbons (GRO) and diesel range hydrocarbons (DRO).

**Holding Times.** All analytical data sets were reviewed for compliance to analytical and technical holding times. All analytical samples were extracted and/or analyzed within accepted holding times for both the DRO and GRO analyses.

Sample results in groups 9890-25 and 9890-39, for DRO analysis and, 9890-24 and 9890-32, for GRO analysis, were notated with a 'V' to indicate that the samples were received at the laboratory with a temperature exceeding the preservation criteria of  $\leq 4^{\circ}\text{C}$ . Cooler temperatures ranged from seven degrees to  $14^{\circ}\text{C}$ . This was not interpreted to have had a significant impact on results and no additional qualification of results was conducted.

**Initial Calibration.** Initial calibrations for the DRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

Initial calibrations for the GRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

**Continuing Calibration.** Continuing calibrations were analyzed for the DRO analysis at the mid-point level of  $2500\text{ }\mu\text{g/mL}$ . All continuing calibrations were  $\leq 15\%$  Difference.

Continuing calibrations were analyzed for the GRO analysis at the mid-point level of  $200\text{ }\mu\text{g/L}$ . All continuing calibrations were  $\leq 15\%$  Difference.

**Method Blank.** Method blanks were analyzed for both the DRO and GRO methods after the initial or continuing calibration standards run and, prior to the analysis of samples. All method blanks analyzed were less than the reporting limits for any target compounds in both the DRO and GRO analyses.

**Surrogate Spikes.** All samples analyzed for DRO were spiked with  $\sigma$ -Terphenyl at a final concentration of 20  $\mu\text{g/mL}$  prior to the extraction step of the method. The surrogate recoveries for all samples analyzed were within laboratory generated control limits, except for sample SS-M9-01(052678-0013-SA). The surrogate recovery for this sample was less than laboratory generated control limits. This sample was diluted 1:10 prior to analysis to bring the quantitation concentration within the calibration range of the instrument. No additional qualification of results is recommended due to the level of dilution.

All samples analyzed for GRO were spiked with 1-Chloro-4-fluorobenzene, Internal Standard (IS) and,  $\alpha,\alpha,\alpha$ -Trifluorotoluene (TFT) surrogate at a concentration of 30  $\mu\text{g/L}$  prior to analysis. The surrogate recoveries for all samples analyzed were within method acceptance criteria.

**Matrix Spikes/Matrix Spike Duplicates.** Samples submitted were not specified for analysis of Matrix Spike/Matrix Spike Duplicates (MS/MSD). Samples were selected, by the laboratory for MS/MSD analysis for DRO. Three water samples MW-03-10(052856-001-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA), were selected for MS/MSD analysis. All sample sets selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and Relative Percent Difference (RPD).

GRO samples submitted were not specified for analysis of MS/MSD. However, samples were selected by the laboratory for MS/MSD analysis for GRO. Three water samples MW-03-01(052856-0002-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA) and, one soil matrix, SB-08-02(052678-0001-SA) were selected for MS/MSD analysis. All water samples selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and RPD. Soil sample SB-08-01(052678-0001-SA) had MS/MSD recoveries outside laboratory generated control limits for percent recovery of 60% to 140%. RPDs were within the RPD control limit of 20. The percent recovery for the MS was 59%, the MSD percent recovery was 51%. These results indicate that the soil GRO results are estimated values with a possible low bias, however, results are usable with qualification.

**Laboratory Control Samples.** Laboratory Control Samples (LCSs) were prepared and analyzed as Duplicate Control Samples (DCS) for the DRO method. DCSs are prepared as natural matrix spike samples. Laboratory generated control limits are established at  $\pm 44\%$  RPD. DCS RPD results were all within laboratory generated control limits.

LCSs were analyzed after initial or continuing calibrations and prior to the analysis of method blanks and samples for GRO. All LCSs analyzed were within acceptance criteria for GRO analysis.

**Overall Assessment.** Data presented from the analysis of DRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability

of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

Data presented from the analysis of GRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

## DRO CHROMATOGRAMS

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**ABB Environmental Services, Inc.**

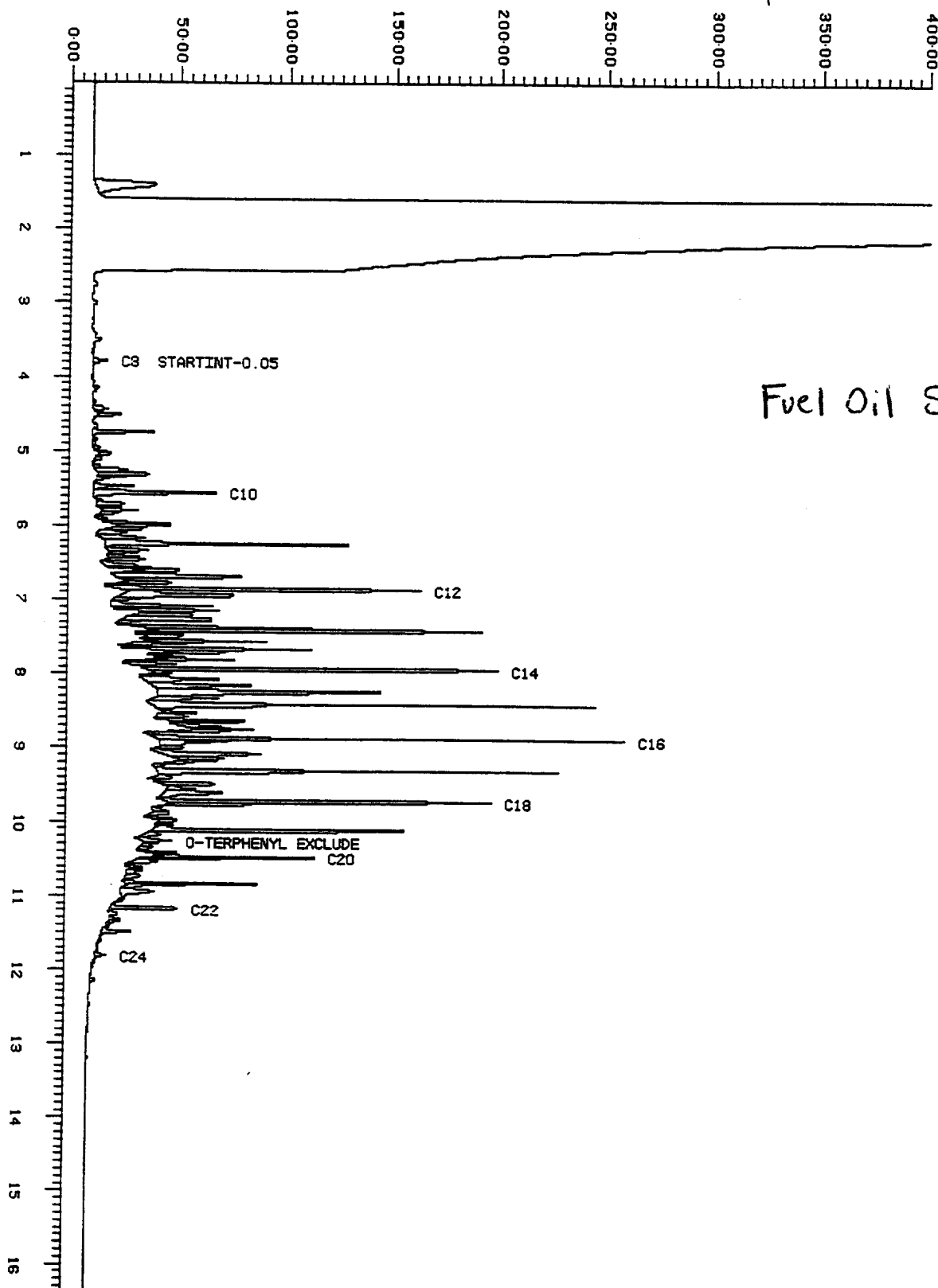
Quanterra Denver Multichrom V2.1

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Reported on 10-DEC-1996 at 18:50  
Box 1 (of 1)

*pc 12/11*

Fuel Oil Standard





[FID12\_2] 76 Z09DEC96,19,1

52678-13

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T=SA.

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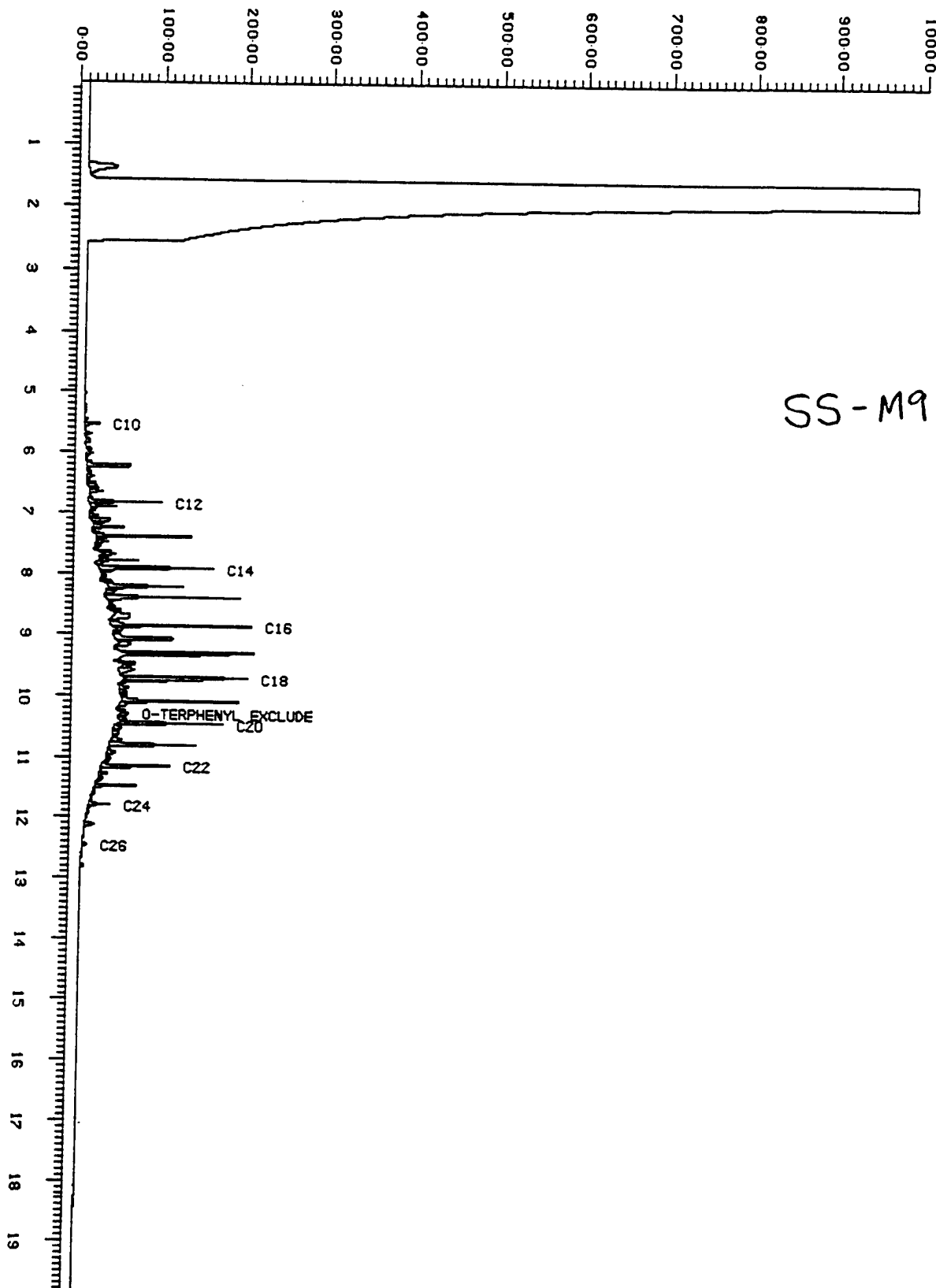
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Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*gc 12/10*



SS-M9-01

[FID12\_2] 76 Z09DEC96,14,1

52678-08

T=SA.

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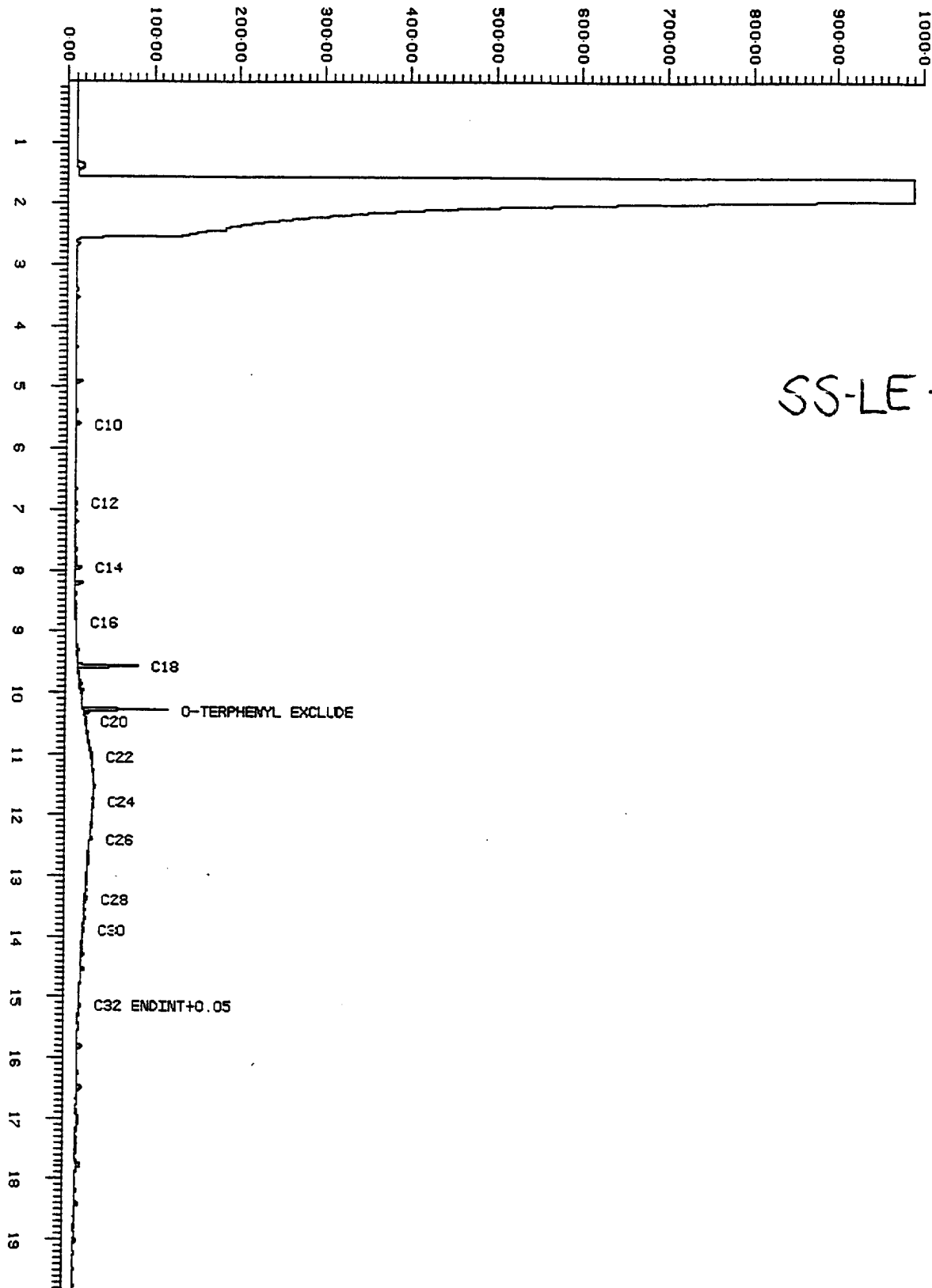
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Box 1 (of 1)

*P-1210*

SS-LE-02



Quanterra Denver Multichrom V2.1

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52678-07

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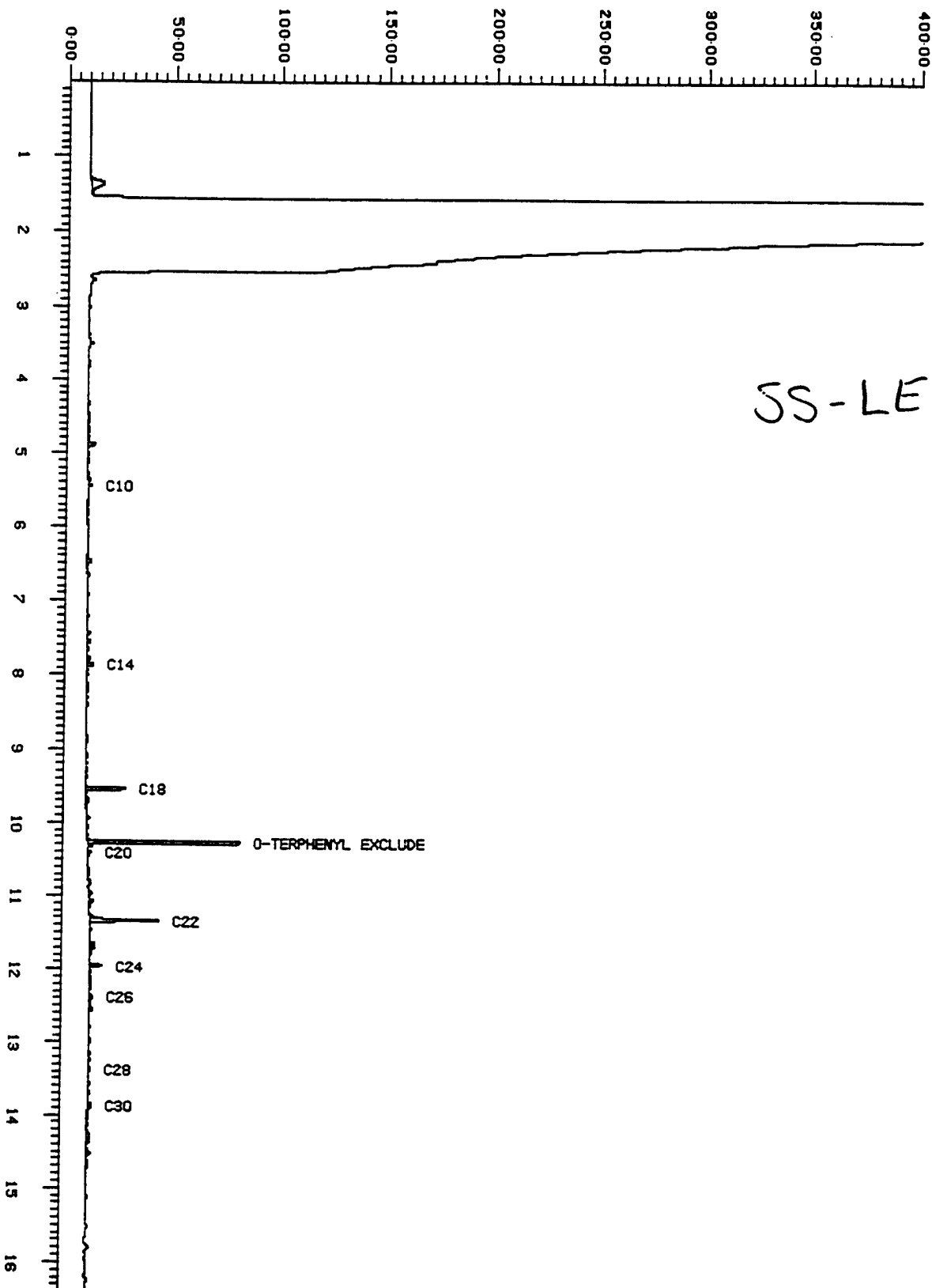
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Box 1 (of 1)

BC 12/11



SS-LE-01

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2678-11

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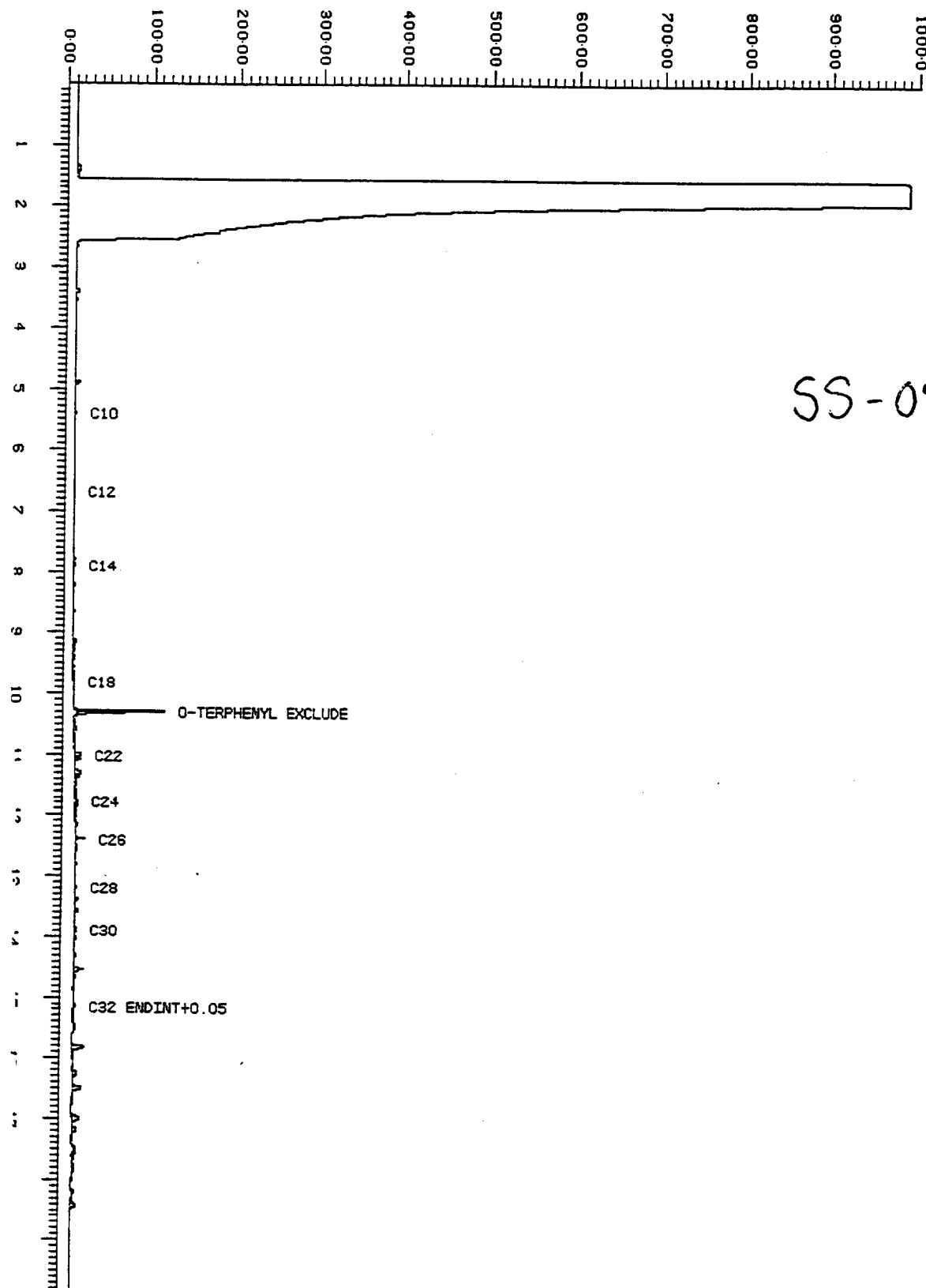
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reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*Pr 12/10*



SS-09-01

Quanterra Denver Multichrom V2.1

[FID12\_2] 76 Z09DEC96,16,1

52678-10

T=SA.

Amount : 1.000.

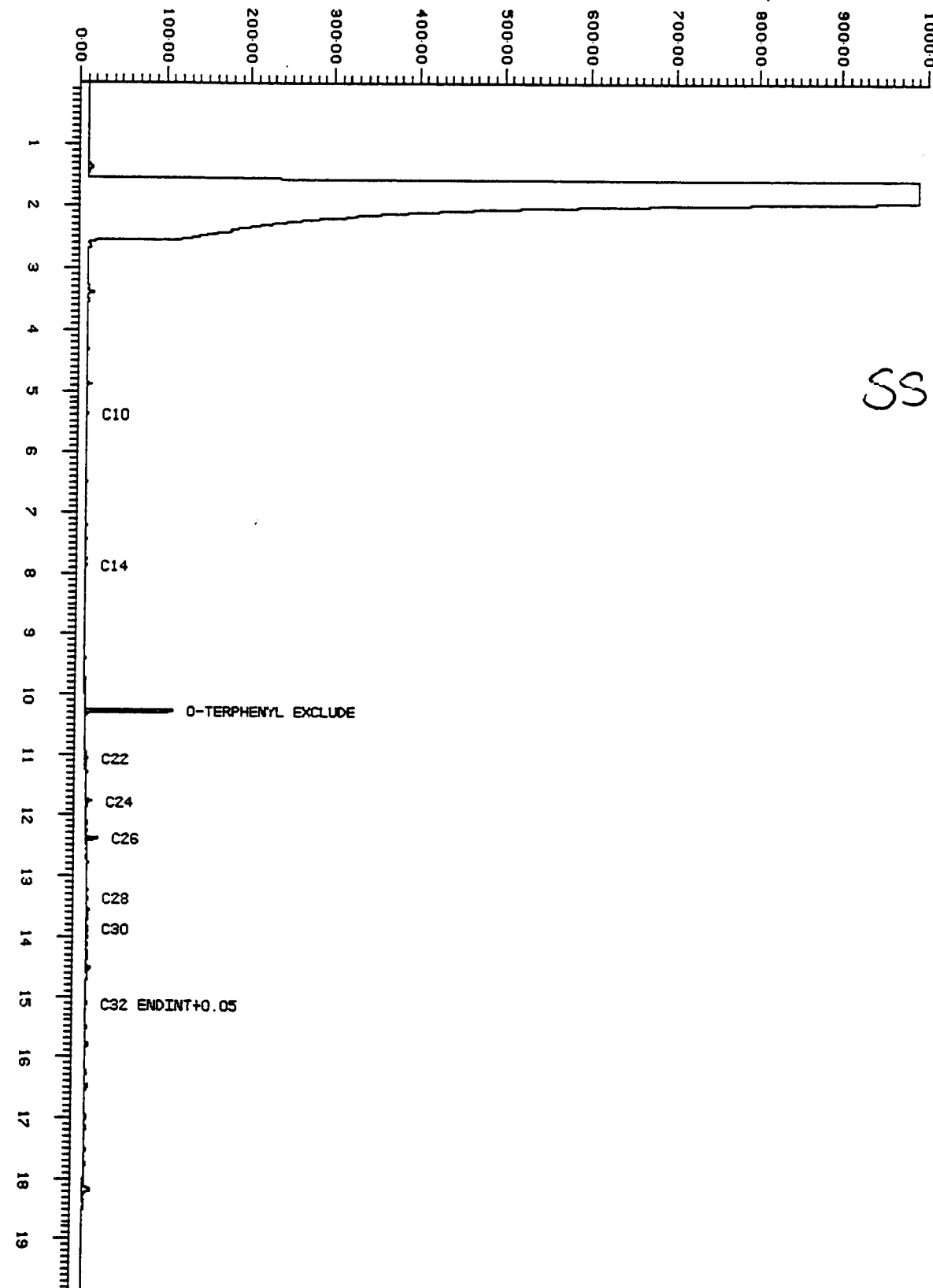
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Box 1 (of 1)

*Be 12/10*



SS-WW-01

Quanterra Denver Multichrom V2.1

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12678-09

T=SA.

Amount : 1.000.

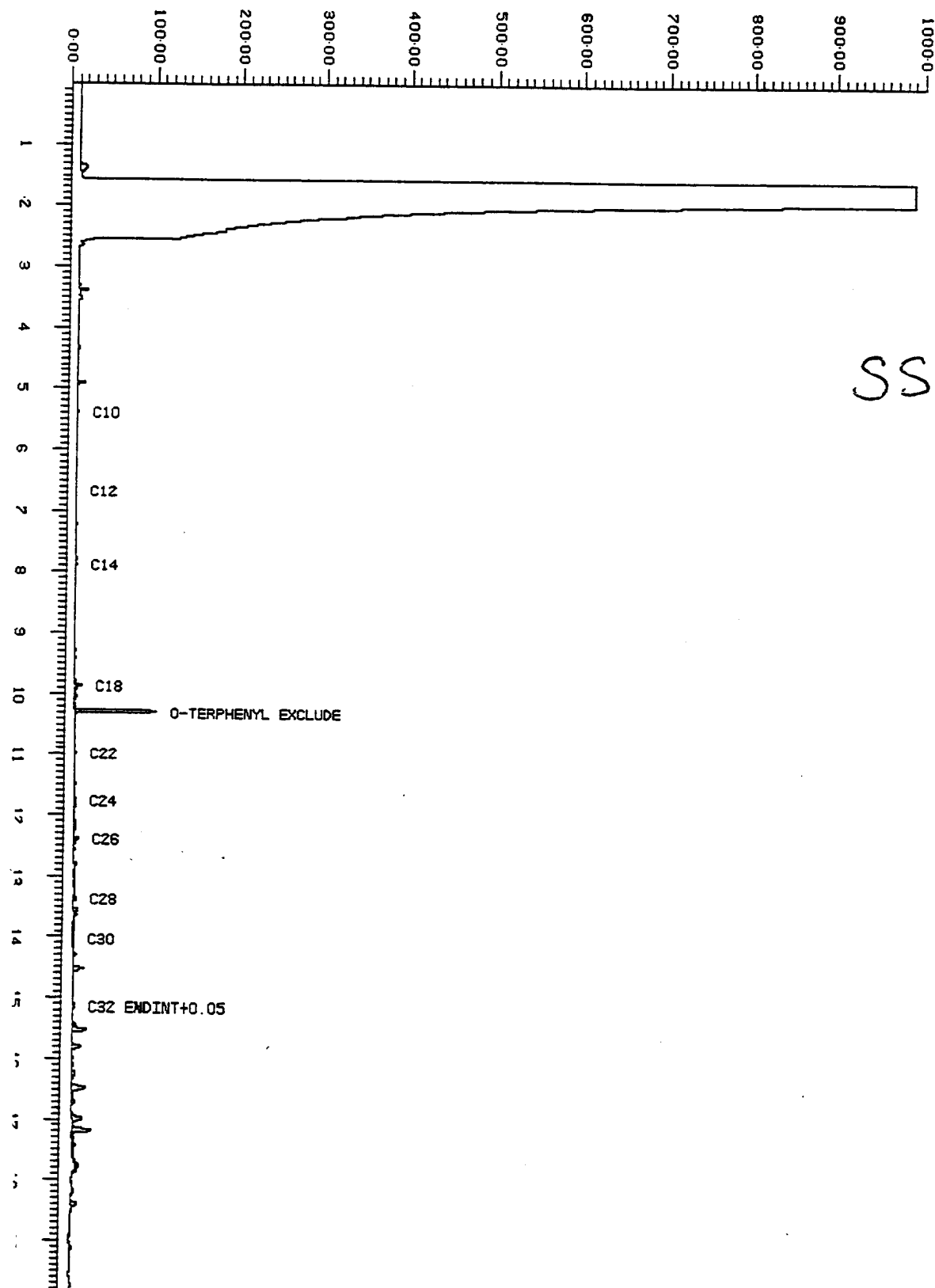
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length

Acquired on 9-DEC-1996 at 19:05

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*Be 12/10*

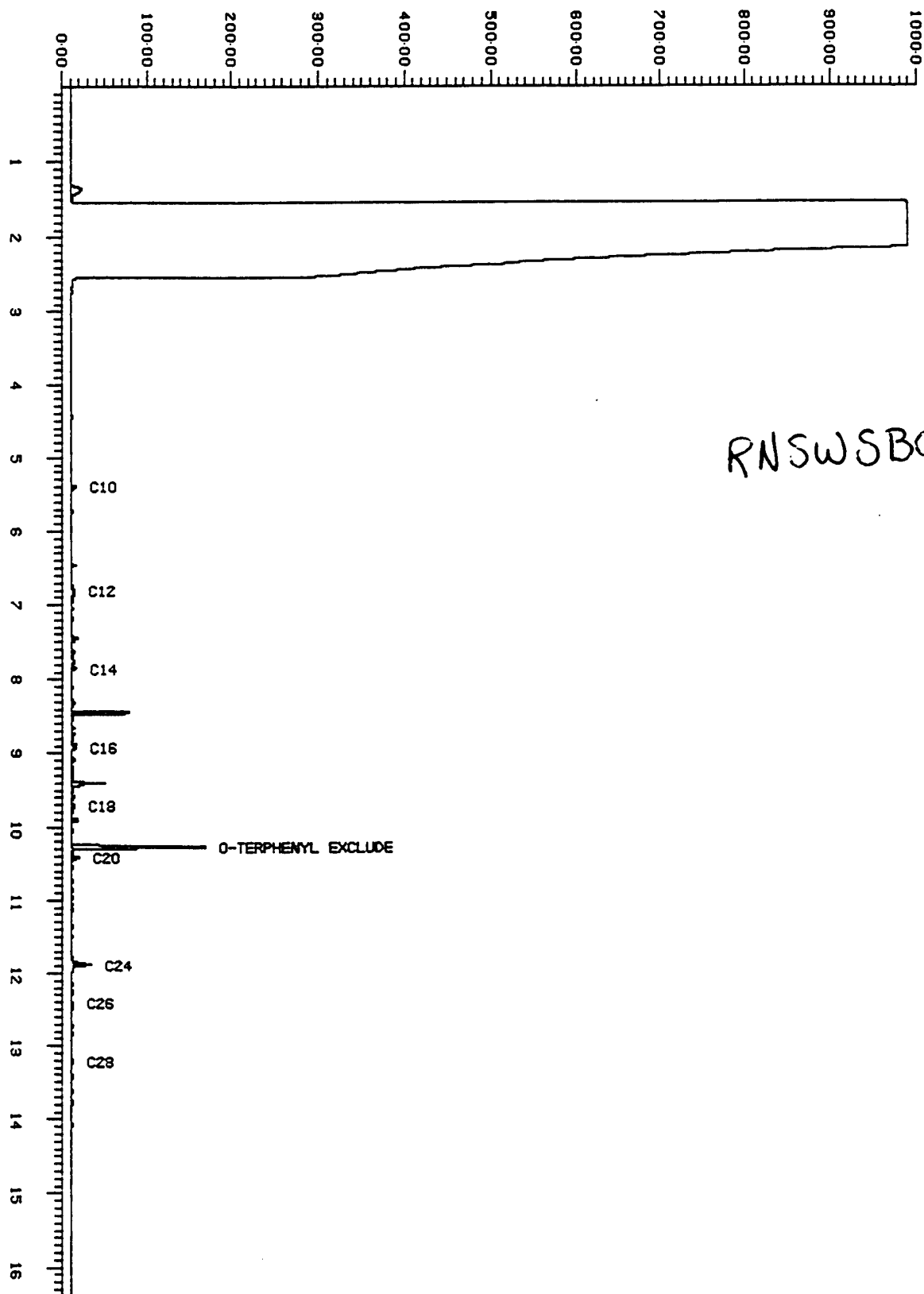


SS-CW-01

Quanterra Denver Multichrom V2.1

[FID11\_4] 75 Z26NOV96,9,1

52680-01 AMT=0.94L PDIL=100% T=SA. Amount : 1.000.  
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length  
Acquired on 26-NOV-1996 at 12:33  
Reported on 26-NOV-1996 at 13:04  
Box 1 (of 1)



RNSWSB02

AD  
11/27

Quanterra Denver Multichrom V2.1

[FID12\_2] 75 Z10DEC96,15,1

52856-07RB AMT=0.970L T=SA. Amount : 1.000.

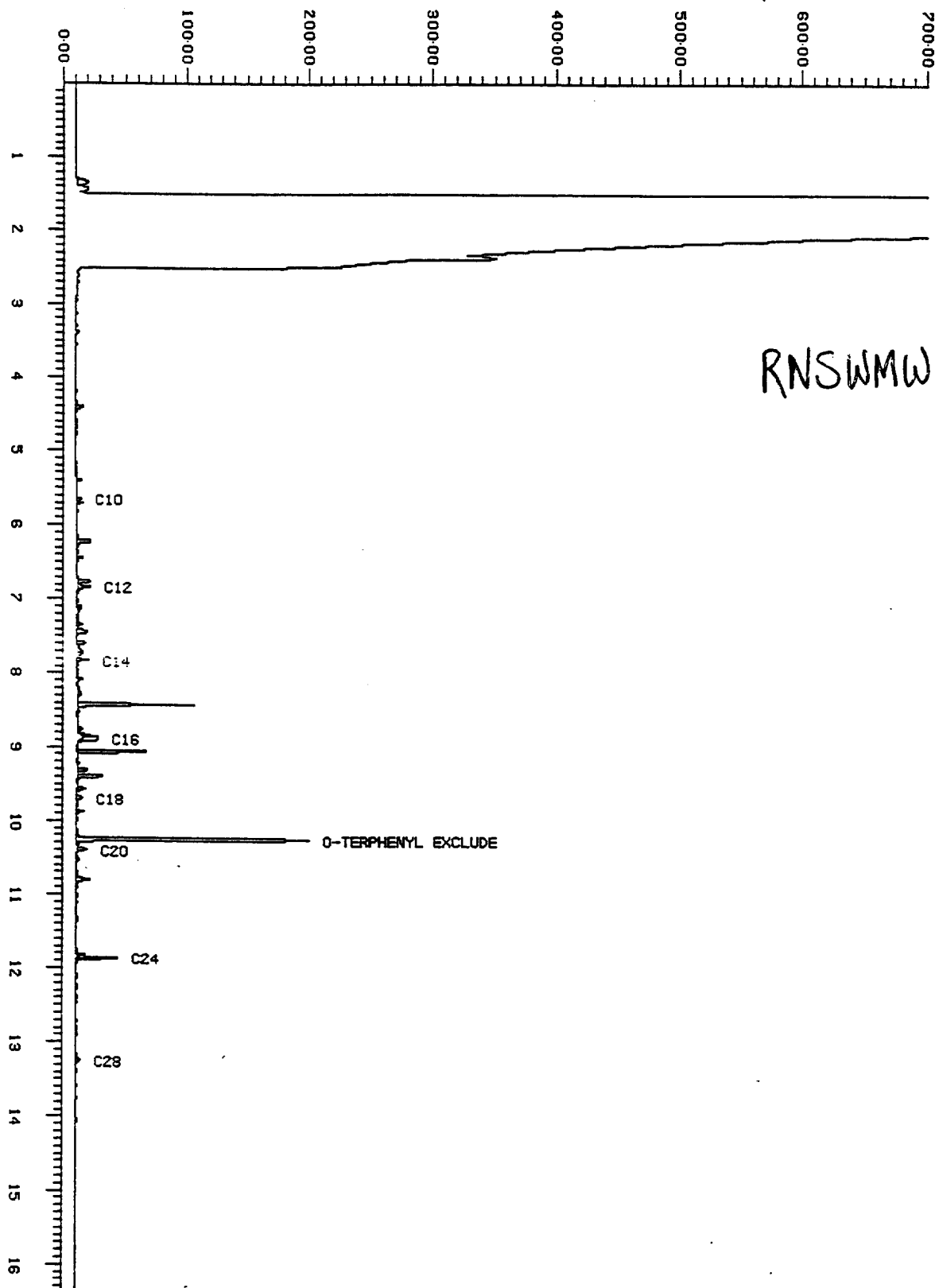
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length

Acquired on 10-DEC-1996 at 18:52

Reported on 10-DEC-1996 at 19:24

Box 1 (of 1)

*pc  
12/11*



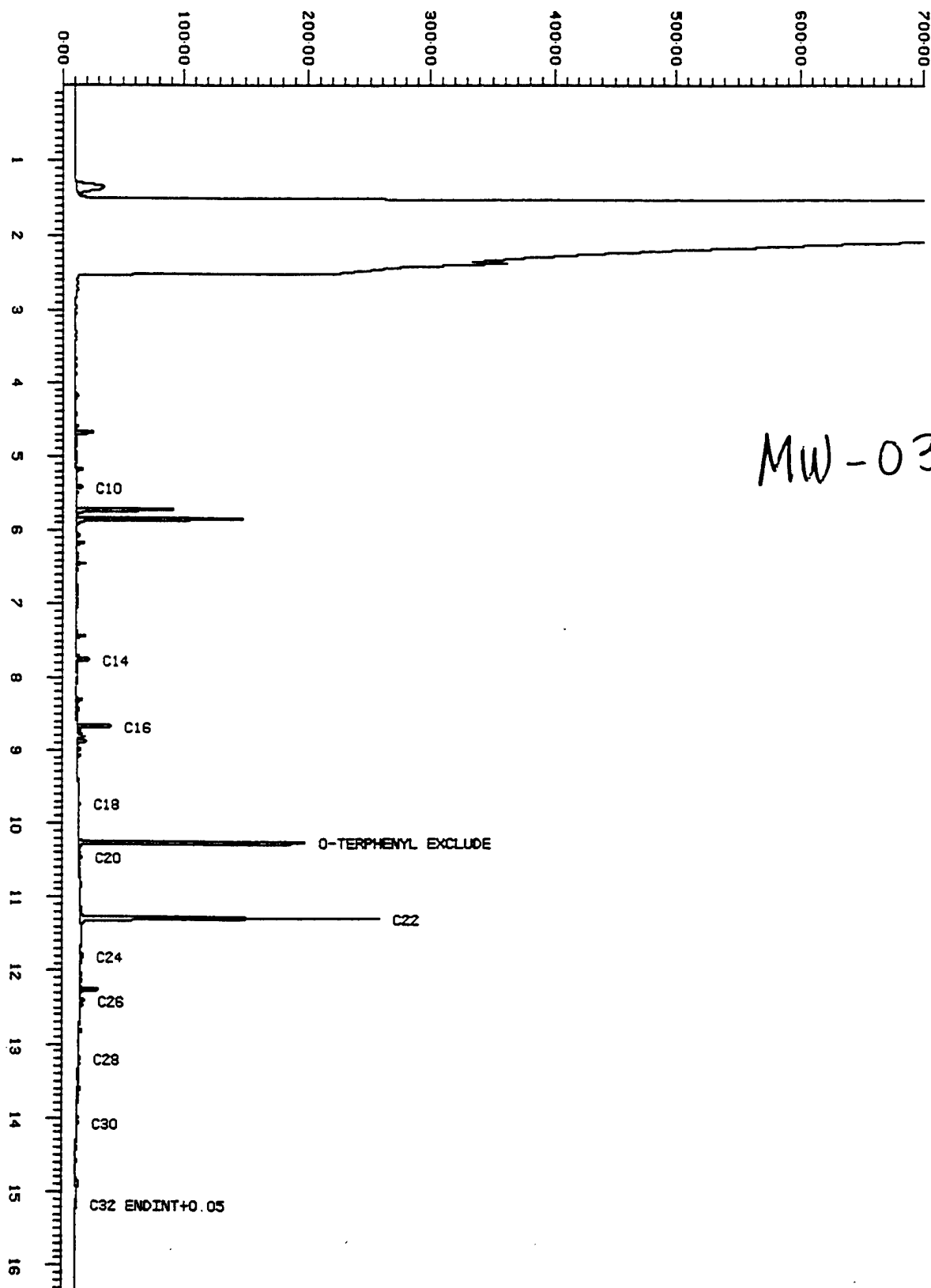
*RNSWMW02*



Quanterra Denver Multichrom V2.1

[FID12\_2] 75 Z10DEC96,11,1

52856-02 AMT=0.855L T=SA. Amount : 1.000.  
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length  
Acquired on 10-DEC-1996 at 16:38  
Reported on 10-DEC-1996 at 17:10  
Box 1 (of 1)



MW-03-02

**USAEC/IRDMIS ANALYTICAL RESULTS**

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**ABB Environmental Services, Inc.**

**IRDMIS DATA-FINAL DOCUMENTATION REPORTS**

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**ABB Environmental Services, Inc.**

**SURFACE SOIL**

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-09-01	S090101X	1.0	19-NOV-96	RL	52678-11	DRO /S	7439-92-1	Diesel range organics	18.6	UGG V			
							GPB1/S		Lead	32	UGG BV			
							GRO /S		Gasoline range organics	LT .5	UGG V			
							GSE1/S	7782-49-2	Selenium	LT 1	UGG V			
							GTL1/S	7440-28-0	Thallium	LT 2	UGG V			
							HGC1/S	7439-97-6	Mercury	LT .2	UGG V			
							ICM1/S	7440-36-0	Antimony	LT 1	UGG V			
								7440-38-2	Arsenic	LT 5	UGG V			
								7440-41-7	Beryllium	LT 1	UGG V			
								7440-43-9	Cadmium	LT 1	UGG V			
							ICP1/S	7429-90-5	Aluminum	21800	UGG VB			
								7439-89-6	Iron	27900	UGG VB			
								7439-95-4	Magnesium	22500	UGG V			
								7439-96-5	Manganese	980	UGG VB			
								7440-02-0	Nickel	35.4	UGG V			
								7440-09-7	Potassium	LT 1000	UGG V			
								7440-22-4	Silver	LT 2	UGG V			
								7440-23-5	Sodium	LT 1000	UGG V			
								7440-39-3	Barium	154	UGG V			
								7440-47-3	Chromium	28.3	UGG V			
								7440-48-4	Cobalt	18.4	UGG V			
								7440-50-8	Copper	56.3	UGG V			
								7440-62-2	Vanadium	71.4	UGG V			
								7440-66-6	Zinc	63.8	UGG V			
								7440-70-2	Calcium	1.02 E 5	UGG V			
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V			
								100-02-7	4-Nitrophenol	LT .8	UGG V			
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V			
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V			
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V			
								106-47-8	4-Chloroaniline	LT .33	UGG V			
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V			
								108-95-2	Phenol / Carbolic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V			
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V			
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V			
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V			
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V			
								118-74-1	Hexachlorobenzene	LT .33	UGG V			
								120-12-7	Anthracene	LT .33	UGG V			
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V			
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V			
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V			
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V			

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO 28-JAN-97  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-01	S090101X	1.0	19-NOV-96	RL 52678-11		SMV2/S	131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								1610-18-0	2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato*	.15	UGG VS		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								593-45-3	Octadecane	.21	UGG VS		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FW)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Mess Codes	Data Quals	EPA Data Quals
PLUG	SS-09-01	S090101X	1.0	19-NOV-96	RL	52678-11	SMV2/S	2-Chloronaphthalene	LT .33	UGG V		
								3,3'-Dichlorobenzidine	LT .8	UGG V		
								o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								1,2-Dichlorobenzene	LT .33	UGG V		
								2-Chlorophenol	LT .33	UGG V		
								2,4,5-Trichlorophenol	LT .8	UGG V		
								Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								3-Nitroaniline	LT .8	UGG V		
								4-Bromophenyl phenyl ether	LT .33	UGG V		
								4-Chlorophenyl phenyl ether	LT .33	UGG V		
								Unknown compound 539	6	UGG VB		
								Unknown compound 551	.1	UGG VB		
								Unknown compound 591	.1	UGG V		
								Unknown compound 605	.1	UGG V		
								Unknown compound 606	.3	UGG VD		
								Unknown compound 613	.3	UGG VB		
SS-09-02	S090201X	52678-12	1.0	19-NOV-96	RL		DRO /S GPB1/S GRO /S GSE1/S GTL1/S HGC1/S ICM1/S  <					

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:31:44

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-02	S090201X	1.0	19-NOV-96	RL	52678-12	ICP1/S	7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	6120	UGG V		
								7440-39-3	Barium	159	UGG V		
								7440-47-3	Chromium	41.7	UGG V		
								7440-48-4	Cobalt	21.1	UGG V		
								7440-50-8	Copper	68.5	UGG V		
								7440-62-2	Vanadium	129	UGG V		
								7440-66-6	Zinc	54.7	UGG V		
								7440-70-2	Calcium	57800	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,6-Dinitrophenol	LT .33	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .8	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT .6	UGG V		
										LT 1	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-02	S090201X	1.0	19-NOV-96	RL 52678-12		SMV2/S	541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	6	UGG VB		
									Unknown compound 551	9 E -2	UGG VB		
									Unknown compound 606	9 E -2	UGG VB		
									Unknown compound 614	.1	UGG VB		
									Unknown compound 615	.4	UGG VB		
									Unknown compound 623	7	UGG VB		
									Unknown compound 637	.3	UGG VBD		
									Unknown compound 637	.8	UGG VB		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:31:44

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-09-02	S090201X	1.0	19-NOV-96	RL 52678-12		SHV2/S		Unknown compound 660	1	UGG V		
	SS-LE-01	SLE0101X	1.0	19-NOV-96	RL 52678-07		DRO /S		Diesel range organics	8.95	UGG V		
							GPB1/S	7439-92-1	Lead	79	UGG BV		
							GRO /S		Gasoline range organics	LT .5	UGG V		
							GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
							HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT 1	UGG V		
								7440-38-2	Arsenic	LT 5	UGG V		
								7440-41-7	Beryllium	LT 1	UGG V		
								7440-43-9	Cadmium	LT 1	UGG V		
							ICP1/S	7429-90-5	Aluminum	LT 1	UGG V		
								7439-89-6	Iron	4200	UGG V8		
								7439-95-4	Magnesium	6800	UGG V8		
								7439-96-5	Manganese	11000	UGG V		
								7440-02-0	Nickel	230	UGG V8		
								7440-09-7	Potassium	LT 16	UGG V		
								7440-22-4	Silver	LT 2000	UGG V		
								7440-23-5	Sodium	LT 4	UGG V		
								7440-39-3	Barium	LT 2000	UGG V		
								7440-47-3	Chromium	LT 80	UGG V		
								7440-48-4	Cobalt	LT 6	UGG V		
								7440-50-8	Copper	LT 20	UGG V		
								7440-62-2	Vanadium	LT 10	UGG V		
								7440-66-6	Zinc	LT 20	UGG V		
								7440-70-2	Calcium	140	UGG V		
							SHV2/S	100-01-6	4-Nitroaniline	3.6 E 5	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .8	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-01	SLE0101X	1.0	19-NOV-96	RL	52678-07	SMV2/S	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[a]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								72-54-8	ppDDD / 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane / Rhoth*	.19	UGG VS		
								72-55-9	2,2-Bis(p-chlorophenyl)-1,1-dichloroethane	.55	UGG VS		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

[illegible]

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-02	SLE0201X	1.0	19-NOV-96	RL	52678-08	ICP1/S	7440-50-8	Copper	83.2	UGG V		
								7440-62-2	Vanadium	36.4	UGG V		
								7440-66-6	Zinc	697	UGG V		
								7440-70-2	Calcium	1.98 E 5	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carbolic acid / Phenic acid	LT .33	UGG V		
									/ Phenyltic acid / Phe*				
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzoldef]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								573-98-8	1,2-Dimethylnaphthalene	.15	UGG VS		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-02	SLE0201X	1.0	19-NOV-96	RL	52678-08	SHV2/S	606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .33	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .8	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	5	UGG VB		
									Unknown compound 551	8 E -2	UGG VB		
									Unknown compound 594	7 E -2	UGG V		
									Unknown compound 606	.2	UGG VB		
									Unknown compound 614	.2	UGG VB		
									Unknown compound 615	.5	UGG VB		
									Unknown compound 618	.1	UGG V		
									Unknown compound 623	7	UGG VB		
									Unknown compound 630	.3	UGG VB		
									Unknown compound 637	8 E -2	UGG VB		
									Unknown compound 659	1	UGG VB		
										.2	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-02	SLE0201X	1.0	19-NOV-96	RL	52678-08	SMV2/S	7439-92-1	Unknown compound 663	8 E -2	UGG V		
									Unknown compound 668	8 E -2	UGG V		
									Diesel range organics	1260	UGG V		
									Lead	25	UGG BV		
									Gasoline range organics	10.6	UGG V		
									Selenium	LT 1	UGG V		
									Thallium	LT 2	UGG V		
									Mercury	LT .2	UGG V		
									Antimony	LT 1	UGG V		
									Arsenic	LT 5	UGG V		
									Beryllium	LT 1	UGG V		
									Cadmium	LT 1	UGG V		
									Aluminum	15300	UGG VB		
									Iron	23500	UGG VB		
									Magnesium	11500	UGG V		
									Manganese	698	UGG VB		
									Nickel	25.4	UGG V		
									Potassium	LT 1000	UGG V		
									Silver	LT 2	UGG V		
									Sodium	LT 1000	UGG V		
									Barium	66.8	UGG V		
									Chromium	20	UGG V		
									Cobalt	13.1	UGG V		
									Copper	34.1	UGG V		
									Vanadium	72	UGG V		
									Zinc	67.8	UGG V		
									Calcium	74200	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT 3	UGG V		
								100-02-7	4-Nitrophenol	LT 3	UGG V		
								105-67-9	2,4-Dimethylphenol	LT 1	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 1	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT 1	UGG V		
								106-47-8	4-Chloroaniline	LT 1	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 1	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 1	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT 1	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT 1	UGG V		
								112-95-8	Eicosane	5	UGG VS		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 1	UGG V		
								117-84-0	Di-n-octyl phthalate	LT 2	UGG V		
								118-74-1	Hexachlorobenzene	LT 1	UGG V		
								120-12-7	Anthracene	LT 1	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT 1	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CS0  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-W9-01	SM90101X	1.0	19-NOV-96	RL	52678-13	SMW2/S	120-83-2	2,4-Dichlorophenol	LT 1	UGG	V		
								121-14-2	2,4-Dinitrotoluene	LT 1	UGG	V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 1	UGG	V		
								131-11-3	Dimethyl phthalate	LT 1	UGG	V		
								132-64-9	Dibenzofuran	LT 1	UGG	V		
								191-24-2	Benzo[ghi]perylene	LT 2	UGG	V		
								1921-70-6	2,6,10,14-Tetramethylpentadecane	9	UGG	VS		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 2	UGG	V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 1	UGG	V		
								206-44-0	Fluoranthene	LT 1	UGG	V		
								207-08-9	Benzo[k]fluoranthene	LT 2	UGG	V		
								208-96-8	Acenaphthylene	LT 1	UGG	V		
								218-01-9	Chrysene	LT 1	UGG	V		
								50-32-8	Benzo[a]pyrene	LT 1	UGG	V		
								51-28-5	2,4-Dinitrophenol	LT 1	UGG	V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 3	UGG	V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 2	UGG	V		
								541-73-1	1,3-Dichlorobenzene	LT 4	UGG	V		
								544-76-3	Hexadecane	LT 1	UGG	V		
								56-55-3	Benzo[a]anthracene	10	UGG	VS		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 1	UGG	V		
								593-45-3	Octadecane	LT 1	UGG	V		
								606-20-2	2,6-Dinitrotoluene	9	UGG	VS		
								621-64-7	N-Nitrosodi-n-propylamine	5	UGG	VSD		
								629-50-5	Tridecane	LT 1	UGG	V		
								629-59-4	Tetradecane	LT 1	UGG	V		
								629-78-7	Heptadecane	9	UGG	VS		
								629-92-5	Nonadecane	9	UGG	VS		
								629-94-7	Heneicosane	9	UGG	VS		
								638-67-5	Tricosane / n-Tricosane	5	UGG	VS		
								67-72-1	Hexachloroethane	9	UGG	VS		
								77-47-4	Hexachlorocyclopentadiene	LT 1	UGG	V		
								78-59-1	Isophorone	LT 1	UGG	V		
								83-32-9	Acenaphthene	LT 1	UGG	V		
								84-66-2	Diethyl phthalate	LT 1	UGG	V		
								84-74-2	Di-n-butyl phthalate	LT 1	UGG	V		
								85-01-8	Phenanthrene	LT 1	UGG	V		
								85-68-7	Butylbenzyl phthalate	LT 1	UGG	V		
								86-30-6	N-Nitrosodiphenylamine	LT 1	UGG	V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
Installation: Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-M9-01	SM90101X	1.0	19-NOV-96	RL 52678-13	SMW2/S	86-73-7 86-74-8 87-68-3	Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 1 LT 1 LT 1	UGG V UGG V UGG V	----- ----- -----	----- ----- -----
							87-86-5 88-06-2 88-74-4 88-75-5	Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitroaniline	LT 3 LT 1 LT 3	UGG V UGG V UGG V	----- ----- -----	----- ----- -----
							91-20-3 91-57-6 91-58-7 91-94-1	2-Nitrophenol Naphthalene / Tar camphor 2-Methylnaphthalene 2-Chloronaphthalene	LT 1 LT 1 LT 1 LT 1	UGG V UGG V UGG V UGG V	----- ----- ----- -----	----- ----- ----- -----
							95-48-7 95-50-1 95-57-8 95-95-4 98-95-3	3,3'-Dichlorobenzidine o-Cresol / 2-Cresol / 2-Methylphenol 1,2-Dichlorobenzene 2-Chlorophenol 2,4,5-Trichlorophenol	LT 3 LT 1 LT 1 LT 1 LT 1	UGG V UGG V UGG V UGG V UGG V	----- ----- ----- ----- -----	----- ----- ----- ----- -----
								Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 3 LT 1	UGG V UGG V	----- -----	----- -----
							99-09-2	3-Nitroaniline	LT 3	UGG V	-----	-----
								4-Bromophenyl phenyl ether	LT 1	UGG V	-----	-----
								4-Chlorophenyl phenyl ether	LT 1	UGG V	-----	-----
								Unknown compound 539	4	UGG VB	-----	-----
								Unknown compound 563	5	UGG V	-----	-----
								Unknown compound 564	3	UGG V	-----	-----
								Unknown compound 566	3	UGG V	-----	-----
								Unknown compound 567	4	UGG V	-----	-----
								Unknown compound 574	5	UGG V	-----	-----
								Unknown compound 580	2	UGG V	-----	-----
									.6	UGG VBD	-----	-----
								Unknown compound 586	3	UGG V	-----	-----
								Unknown compound 592	1	UGG V	-----	-----
								Unknown compound 596	1	UGG V	-----	-----
								Unknown compound 603	1	UGG V	-----	-----
								Unknown compound 623	1	UGG VB	-----	-----
								Diesel range organics	1	UGG VBD	-----	-----
								Lead	16	UGG V	-----	-----
							7439-92-1		22.6	UGG BV	-----	-----
								Gasoline range organics	LT .5	UGG V	-----	-----
							7782-49-2	Selenium	LT 1	UGG V	-----	-----
							7440-28-0	Thallium	LT 2	UGG V	-----	-----
							7439-97-6	Mercury	LT .2	UGG V	-----	-----
							7440-36-0	Antimony	LT 1	UGG V	-----	-----
							7440-38-2	Arsenic	LT 5	UGG V	-----	-----
							7440-41-7	Beryllium	LT 1	UGG V	-----	-----
SS-MW-01		SMW0102X	2.0	19-NOV-96	RL 52678-10	DRO /S GPB1/S GRO /S GSE1/S GTL1/S HGC1/S ICM1/S					-----	-----

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-MW-01	SMW0102X	2.0	19-NOV-96	RL 52678-10		SNV2/S	218-01-9	Chrysene	LT .33	UGG V	---	---
								50-32-8	Benzo[a]pyrene	LT .33	UGG V	---	---
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V	---	---
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V	---	---
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V	---	---
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V	---	---
								56-55-3	Benzo[a]anthracene	LT .33	UGG V	---	---
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V	---	---
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V	---	---
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V	---	---
								67-72-1	Hexachloroethane	LT .33	UGG V	---	---
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V	---	---
								78-59-1	Isophorone	LT .33	UGG V	---	---
								83-32-9	Acenaphthene	LT .33	UGG V	---	---
								84-66-2	Diethyl phthalate	LT .33	UGG V	---	---
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V	---	---
								85-01-8	Phenanthrene	LT .33	UGG V	---	---
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V	---	---
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V	---	---
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V	---	---
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V	---	---
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V	---	---
								87-86-5	Pentachlorophenol	LT .8	UGG V	---	---
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V	---	---
								88-74-4	2-Nitroaniline	LT .8	UGG V	---	---
								88-75-5	2-Nitrophenol	LT .33	UGG V	---	---
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V	---	---
								91-57-6	2-Methylnaphthalene	LT .33	UGG V	---	---
								91-58-7	2-Chloronaphthalene	LT .33	UGG V	---	---
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V	---	---
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V	---	---
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V	---	---
								95-57-8	2-Chlorophenol	LT .33	UGG V	---	---
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V	---	---
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V	---	---
								99-09-2	3-Nitroaniline	LT .8	UGG V	---	---
									4-Bromophenyl phenyl ether	LT .33	UGG V	---	---
									4-Chlorophenyl phenyl ether	LT .33	UGG V	---	---
									Unknown compound 539	6	UGG VB	---	---

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:31:44

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo	Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-WW-01	SWM0102X	2.0	19-NOV-96	RL	52678-10	SHW2/S	Unknown compound 551	.1		UGG VB		
								Unknown compound 606	.2		UGG VB		
								Unknown compound 614	.3		UGG VB		
								Unknown compound 615	.5		UGG VB		
								Unknown compound 623	7		UGG VB		
								Unknown compound 630	.3		UGG VBD		
								Unknown compound 637	.1		UGG VB		
								Unknown compound 640	2		UGG VB		
								Unknown compound 660	9 E	-2	UGG V		
								Unknown compound 671	1		UGG V		
									.2		UGG V		

\*\* End of Report - 626 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOIL BORINGS - SUBSURFACE SOIL**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL 52678-01		DRO /S	7439-92-1	Diesel range organics	LT 4	UGG V		
							GPB1/S		Lead	2.55	UGG BV		
							GRO /S		Gasoline range organics				
							GSE1/S	7782-49-2	Selenium	LT .5	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 1	UGG V		
							HGC1/S	7439-97-6	Mercury	LT 2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	LT .2	UGG V		
								7440-41-7	Beryllium	2.57	UGG V		
								7440-43-9	Cadmium	.316	UGG V		
							ICP1/S	7429-90-5	Aluminum	LT .2	UGG V		
										25400	UGG VB		
								7439-89-6	Iron	24300	UGG VB		
								7439-95-4	Magnesium	51000	UGG VB		
								7439-96-5	Manganese	47100	UGG VB		
										17500	UGG V		
										18200	UGG V		
										957	UGG VB		
										973	UGG VB		
								7440-02-0	Nickel	34.7	UGG V		
								7440-09-7	Potassium	LT 1000	UGG V		
										LT 1000	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
										44.1	UGG V		
								7440-23-5	Sodium	1580	UGG V		
										1350	UGG V		
								7440-39-3	Barium	196	UGG V		
										152	UGG V		
								7440-47-3	Chromium	62.8	UGG V		
								7440-48-4	Cobalt	24.4	UGG V		
										251	UGG V		
								7440-50-8	Copper	48.5	UGG V		
								7440-62-2	Vanadium	192	UGG V		
								7440-66-6	Zinc	69.8	UGG V		
								7440-70-2	Calcium	14000	UGG V		
							SMV2/S			31300	UGG V		
								100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylac acid / Phe*	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	8080112X	12.0	19-NOV-96	RL	52678-01	SMV2/S	111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V	-----	-----
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V	-----	-----
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V	-----	-----
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V	-----	-----
								118-74-1	Hexachlorobenzene	LT .33	UGG V	-----	-----
								120-12-7	Anthracene	LT .33	UGG V	-----	-----
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V	-----	-----
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V	-----	-----
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V	-----	-----
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V	-----	-----
								131-11-3	Dimethyl phthalate	LT .33	UGG V	-----	-----
								132-64-9	Dibenzofuran	LT .33	UGG V	-----	-----
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V	-----	-----
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V	-----	-----
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V	-----	-----
								206-44-0	Fluoranthene	LT .33	UGG V	-----	-----
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V	-----	-----
								208-96-8	Acenaphthylene	LT .33	UGG V	-----	-----
								218-01-9	Chrysene	LT .33	UGG V	-----	-----
								50-32-8	Benzo[a]pyrene	LT .33	UGG V	-----	-----
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V	-----	-----
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V	-----	-----
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V	-----	-----
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V	-----	-----
								56-55-3	Benzo[a]anthracene	LT .33	UGG V	-----	-----
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V	-----	-----
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V	-----	-----
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V	-----	-----
								67-72-1	Hexachloroethane	LT .33	UGG V	-----	-----
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V	-----	-----
								78-59-1	Isophorone	LT .33	UGG V	-----	-----
								83-32-9	Acenaphthene	LT .33	UGG V	-----	-----
								84-66-2	Diethyl phthalate	LT .33	UGG V	-----	-----
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V	-----	-----
								85-01-8	Phenanthrene	LT .33	UGG V	-----	-----
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V	-----	-----
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V	-----	-----
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V	-----	-----
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V	-----	-----
								87-68-3			UGG V	-----	-----

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL 52678-01		SMV2/S	87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	9 E -2	UGG V		
									Unknown compound 539	6	UGG VB		
									Unknown compound 551	.1	UGG VB		
									Unknown compound 614	8 E -2	UGG VB		
									Unknown compound 615	.2	UGG VB		
									Unknown compound 623	4	UGG VB		
									Unknown compound 637	.2	UGG VBD		
SB-08-02		B080212X	12.0	19-NOV-96	RL 52678-02		DRO /S		Unknown compound 637	1	UGG VB		
							GPB1/S	7439-92-1	Diesel range organics	LT 4	UGG V		
							GRO /S		Lead	2.13	UGG BV		
							GSE1/S		Gasoline range organics	LT .5	UGG V		
							GTL1/S	7782-49-2	Selenium	LT 1	UGG V		
							HGC1/S	7440-28-0	Thallium	LT 2	UGG V		
							ICM1/S	7439-97-6	Mercury	LT .2	UGG V		
								7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	2.32	UGG V		
								7440-41-7	Beryllium	.428	UGG V		
							ICP1/S	7440-43-9	Cadmium	LT .2	UGG V		
								7429-90-5	Aluminum	24300	UGG VB		
								7439-89-6	Iron	40700	UGG VB		
								7439-95-4	Magnesium	17800	UGG V		
								7439-96-5	Manganese	1410	UGG VB		
								7440-02-0	Nickel	45.7	UGG V		
								7440-09-7	Potassium	LT 1000	UGG V		
								7440-22-4	Silver	LT 2	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	S8-08-02	B080212X	12.0	19-NOV-96	RL	52678-02	ICP1/S	7440-23-5	Sodium	4500	UGG V		
								7440-39-3	Barium	169	UGG V		
								7440-47-3	Chromium	48.8	UGG V		
								7440-48-4	Cobalt	26.2	UGG V		
								7440-50-8	Copper	56.2	UGG V		
								7440-62-2	Vanadium	131	UGG V		
								7440-66-6	Zinc	67.7	UGG V		
								7440-70-2	Calcium	13600	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CS0

Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
BORE	SB-08-02	B080212X	12.0	19-NOV-96	RL	52678-02	SMW2/S	56-55-3	Benzo[a]anthracene	LT .33	UGG	V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG	V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG	V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG	V		
								67-72-1	Hexachloroethane	LT .33	UGG	V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG	V		
								78-59-1	Isophorone	LT .33	UGG	V		
								83-32-9	Acenaphthene	LT .33	UGG	V		
								84-66-2	Diethyl phthalate	LT .33	UGG	V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG	V		
								85-01-8	Phenanthrene	LT .33	UGG	V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG	V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG	V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG	V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG	V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG	V		
								87-86-5	Pentachlorophenol	LT .8	UGG	V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG	V		
								88-74-4	2-Nitroaniline	LT .8	UGG	V		
								88-75-5	2-Nitrophenol	LT .33	UGG	V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG	V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG	V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG	V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG	V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG	V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG	V		
								95-57-8	2-Chlorophenol	LT .33	UGG	V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG	V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG	V		
								99-09-2	3-Nitroaniline	LT .8	UGG	V		
									4-Bromophenyl phenyl ether	LT .33	UGG	V		
									4-Chlorophenyl phenyl ether	LT .33	UGG	V		
									Unknown compound 539	6	UGG	VB		
	Unknown compound 548	.1	UGG	V										
	Unknown compound 549	9 E -2	UGG	V										
	Unknown compound 551	9 E -2	UGG	VB										
	Unknown compound 606	.1	UGG	VB										
	Unknown compound 614	.1	UGG	VB										
	Unknown compound 615	.4	UGG	VB										
	Unknown compound 623	6	UGG	VB										
		.4	UGG	VBD										

5

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FW)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-02	B080212X	12.0	19-NOV-96	RL	52678-02	SHV2/S	7439-92-1	Unknown compound 637	1	UGG VB		
BORE	SB-09-01	B090112X	12.0	18-NOV-96	RL	52678-14	GP81/S		Diesel range organics	6.71	UGG V		
							GRO /S		Lead	2.92	UGG BV		
							GSE1/S	7782-49-2	Gasoline range organics	LT .5	UGG V		
							GTL1/S	7440-28-0	Selenium	LT 1	UGG V		
							HGC1/S	7439-97-6	Thallium	LT 2	UGG V		
							ICM1/S	7440-36-0	Mercury	LT .2	UGG V		
								7440-38-2	Antimony	LT 1	UGG V		
								7440-41-7	Arsenic	LT 5	UGG V		
								7440-43-9	Beryllium	LT 1	UGG V		
							ICP1/S	7440-43-9	Cadmium	LT 1	UGG V		
								7429-90-5	Aluminum	LT 1	UGG V		
								7439-89-6	Iron	25200	UGG V		
								7439-95-4	Magnesium	33800	UGG VB		
								7439-96-5	Manganese	20600	UGG V		
								7440-02-0	Nickel	846	UGG VB		
								7440-09-7	Potassium	31.4	UGG V		
								7440-22-4	Silver	1660	UGG V		
								7440-23-5	Sodium	LT 2	UGG V		
								7440-39-3	Barium	LT 1000	UGG V		
								7440-47-3	Chromium	132	UGG V		
								7440-48-4	Cobalt	36.6	UGG V		
								7440-50-8	Copper	24.8	UGG V		
								7440-62-2	Vanadium	55.2	UGG V		
								7440-66-6	Zinc	114	UGG V		
								7440-70-2	Calcium	58.5	UGG V		
							SHV2/S	100-01-6	4-Nitroaniline	23200	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .8	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	.46	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-01	B090112X	12.0	18-NOV-96	RL	52678-14	SNV2/S	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								1610-18-0	2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato*	.32	UGG VS		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-01	B090112X	12.0	18-NOV-96	RL	52678-14	SMV2/S	91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
									3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
SB-09-02	B090212X	B090212X	12.0	18-NOV-96	RL	52678-15	GRO / S		Unknown compound 539	7	UGG VB		
									Unknown compound 548	.1	UGG V		
									Unknown compound 549	.1	UGG V		
									Unknown compound 551	.1	UGG V		
									Unknown compound 607	.1	UGG V		
									Unknown compound 614	.2	UGG VB		
									Unknown compound 615	.5	UGG VB		
									Unknown compound 623	7	UGG VB		
									Unknown compound 637	.4	UGG VBD		
									Gasoline range organics	1	UGG VB		
									Diesel range organics	LT .5	UGG V		
									Lead	LT 4	UGG V		
									Selenium	2.71	UGG BV		
									Thallium	LT 1	UGG V		
									Mercury	LT 2	UGG V		
									Antimony	LT .2	UGG V		
									Arsenic	LT 1	UGG V		
									Beryllium	LT 5	UGG V		
									Cadmium	LT 1	UGG V		
									Aluminum	LT 1	UGG V		
SB-09-02	B090212X	B090212X	12.0	18-NOV-96	RL	52678-15	DRO / S	20800	Unknown compound 637	20800	UGG VB		
									Iron	29800	UGG VB		
									Magnesium	29800	UGG VB		
									Manganese	16800	UGG V		
									Nickel	2080	UGG VB		
									Potassium	34.3	UGG V		
									Silver	LT 1000	UGG V		
									Sodium	LT 2	UGG V		
									Barium	LT 1000	UGG V		
									Chromium	337	UGG V		
SB-09-02	B090212X	B090212X	12.0	18-NOV-96	RL	52678-15	GRO / S		Cobalt	29.6	UGG V		
									Copper	24.2	UGG V		
										49.9	UGG V		
											UGG V		

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	B090212X	12.0	18-NOV-96	RL	52678-15	ICP1/S	7440-62-2	Vanadium	95.4	UGG V		
								7440-66-6	Zinc	51.9	UGG V		
								7440-70-2	Calcium	89500	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	.58	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[a,h]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	8090212X	12.0	18-NOV-96	RL	52678-15	SNV2/S	67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .33	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .8	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .33	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .8	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	.1	UGG V		
									Unknown compound 539	10	UGG V		
									Unknown compound 544	8 E -2	UGG V		
									Unknown compound 547	9 E -2	UGG V		
									Unknown compound 548	.1	UGG V		
									Unknown compound 549	.2	UGG V		
									Unknown compound 551	.1	UGG V		
									Unknown compound 596	.1	UGG V		
									Unknown compound 606	.2	UGG V		
									Unknown compound 614	.2	UGG V		
									Unknown compound 615	.3	UGG V		
									Unknown compound 623	.8	UGG V		
										8	UGG V		
										.4	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	8090212X	12.0	18-NOV-96	RL	52678-15	SMV2/S	7439-92-1	Unknown compound 637	2	UGG VB		
BORE	SB-09-03	8090312X	12.0	18-NOV-96	RL	52678-05	DRO /S		Diesel range organics	LT 4	UGG V		
							GPB1/S		Lead	2.55	UGG BV		
							GRO /S		Gasoline range organics	LT .5	UGG V		
							GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
							HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	2.4	UGG V		
								7440-41-7	Beryllium	.391	UGG V		
								7440-43-9	Cadmium	LT .2	UGG V		
								7429-90-5	Aluminum	23700	UGG VB		
								7439-89-6	Iron	37100	UGG VB		
								7439-95-4	Magnesium	18500	UGG V		
								7439-96-5	Manganese	614	UGG VB		
								7440-02-0	Nickel	38	UGG V		
								7440-09-7	Potassium	LT 1000	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	LT 1000	UGG V		
								7440-39-3	Barium	156	UGG V		
								7440-47-3	Chromium	46.5	UGG V		
								7440-48-4	Cobalt	22.1	UGG V		
								7440-50-8	Copper	55.9	UGG V		
								7440-62-2	Vanadium	124	UGG V		
								7440-66-6	Zinc	58.9	UGG V		
								7440-70-2	Calcium	27000	UGG V		
							SMV2/S		4-Nitroaniline	LT .8	UGG V		
								100-01-6	4-Nitrophenol	LT .8	UGG V		
								100-02-7	2,4-Dimethylphenol	LT .33	UGG V		
								105-67-9	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-44-5	1,4-Dichlorobenzene	LT .33	UGG V		
								106-46-7	4-Chloroaniline	LT .33	UGG V		
								106-47-8	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-60-1	Phenol / Carboic acid / Phenic acid	LT .33	UGG V		
								108-95-2	/ Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag	Data	EPA Data
											Mess Codes	Quals	Quals
BORE	SB-09-03	8090312X	12.0	18-NOV-96	RL	52678-05	SMW2/S	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-c,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup>	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodl-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-03	B090312X	12.0	18-NOV-96	RL	52678-05	SNV2/S	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								1,2-Dichlorobenzene	LT .33	UGG V		
								2-Chlorophenol	LT .33	UGG V		
								2,4,5-Trichlorophenol	LT .8	UGG V		
								Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								3-Nitroaniline	LT .8	UGG V		
								4-Bromophenyl phenyl ether	LT .33	UGG V		
								4-Chlorophenyl phenyl ether	LT .33	UGG V		
								Unknown compound 537	9 E -2	UGG V		
								Unknown compound 539	6	UGG V8		
Unknown compound 614	.1	UGG V8										
Unknown compound 615	.4	UGG V8										
Unknown compound 623	6	UGG V8										
Unknown compound 637	.3	UGG V8D										
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	DRO /S	Diesel range organics	LT 4	UGG V			
							Lead	2.37	UGG BV			
							Gasoline range organics	LT .5	UGG V			
							Selenium	LT 1	UGG V			
							Thallium	LT 2	UGG V			
							Mercury	LT .2	UGG V			
							Antimony	LT 1	UGG V			
							Arsenic	LT 5	UGG V			
							Beryllium	LT 1	UGG V			
							Cadmium	LT 1	UGG V			
						ICP1/S	Aluminum	LT 1	UGG V			
							Iron	29300	UGG V8			
							Magnesium	44300	UGG V8			
							Manganese	16700	UGG V			
							Nickel	1880	UGG V8			
							Potassium	23.3	UGG V			
							Silver	LT 1000	UGG V			
							Sodium	LT 2	UGG V			
							Barium	LT 1000	UGG V			
							Chromium	401	UGG V			
						SNV2/S	Cobalt	31.5	UGG V			
							Copper	26.2	UGG V			
							Vanadium	49.4	UGG V			
							Zinc	162	UGG V			
							Calcium	61.1	UGG V			
							4-Nitroaniline	42900	UGG V			
							4-Nitrophenol	LT .8	UGG V			
							2,4-Dimethylphenol	LT .33	UGG V			

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSD  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	SMV2/S	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								117-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-c,d]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

**Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)**

Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-04	8090412X	12.0	18-NOV-96	RL	52678-06	SHV2/S	85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .33	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .8	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	5	UGG VB		
									Unknown compound 614	8 E -2	UGG VB		
									Unknown compound 615	.3	UGG VB		
									Unknown compound 623	7	UGG VB		
										.4	UGG VBD		
									Unknown compound 637	.8	UGG VB		
SB-M9-01		BM90112X	12.0	19-NOV-96	RL	52678-03	DRO /S	7439-92-1	Diesel range organics	LT 4	UGG V		
							GPB1/S		Lead		UGG BV		
							GRO /S		Gasoline range organics	2.98	UGG V		
							GSE1/S	7782-49-2	Selenium	LT .5	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 1	UGG V		
							HGC1/S	7439-97-6	Mercury	LT 2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	1.54	UGG V		
								7440-41-7	Beryllium	.437	UGG V		
								7440-43-9	Cadmium	LT .2	UGG V		
							ICP1/S	7429-90-5	Aluminum		UGG V		
								7439-89-6	Iron	35700	UGG VB		
								7439-95-4	Magnesium	46500	UGG VB		
								7439-96-5	Manganese	20400	UGG V		
										961	UGG VB		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-M9-01	BH90112X	12.0	19-NOV-96	RL	52678-03	ICP1/S	7440-02-0	Nickel	33.7	UGG V		
								7440-09-7	Potassium	3190	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	4520	UGG V		
								7440-39-3	Barium	95	UGG V		
								7440-47-3	Chromium	49.2	UGG V		
								7440-48-4	Cobalt	20.8	UGG V		
								7440-50-8	Copper	63	UGG V		
								7440-62-2	Vanadium	148	UGG V		
								7440-66-6	Zinc	68.9	UGG V		
								7440-70-2	Calcium	38200	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-c,d]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
30RE	SB-M9-01	BM90112X	12.0	19-NOV-96	RL 52678-03		SMV2/S	534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V	-----	-----
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V	-----	-----
								56-55-3	Benzofuranthracene	LT .33	UGG V	-----	-----
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V	-----	-----
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V	-----	-----
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V	-----	-----
								67-72-1	Hexachloroethane	LT .33	UGG V	-----	-----
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V	-----	-----
								78-59-1	Isophorone	LT .33	UGG V	-----	-----
								83-32-9	Acenaphthene	LT .33	UGG V	-----	-----
								84-66-2	Diethyl phthalate	LT .33	UGG V	-----	-----
								84-74-2	Phenanthrene	LT .33	UGG V	-----	-----
								85-01-8	Butylbenzyl phthalate	LT .33	UGG V	-----	-----
								85-68-7	N-Nitrosodiphenylamine	LT .33	UGG V	-----	-----
								86-30-6	Fluorene / 9H-Fluorene	LT .33	UGG V	-----	-----
								86-73-7	Carbazole / 9H-Carbazole	LT .33	UGG V	-----	-----
								86-74-8	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V	-----	-----
								87-68-3					
								87-86-5	Pentachlorophenol	LT .8	UGG V	-----	-----
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V	-----	-----
								88-74-4	2-Nitroaniline	LT .8	UGG V	-----	-----
								88-75-5	2-Nitrophenol	LT .33	UGG V	-----	-----
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V	-----	-----
								91-57-6	2-Methylnaphthalene	LT .33	UGG V	-----	-----
								91-58-7	2-Chloronaphthalene	LT .33	UGG V	-----	-----
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V	-----	-----
								93-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V	-----	-----
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V	-----	-----
								95-57-8	2-Chlorophenol	LT .33	UGG V	-----	-----
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V	-----	-----
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V	-----	-----
								99-09-2	3-Nitroaniline				
									4-Bromophenyl phenyl ether	LT .8	UGG V	-----	-----
									4-Chlorophenyl phenyl ether	LT .33	UGG V	-----	-----
									Unknown compound 537	.1	UGG V	-----	-----
									Unknown compound 539	7	UGG V	-----	-----
									Unknown compound 551	.1	UGG V	-----	-----
									Unknown compound 606	.2	UGG V	-----	-----
									Unknown compound 614	.2	UGG V	-----	-----
									Unknown compound 615	.6	UGG V	-----	-----

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Mess Codes	Data Quals	EPA Data Quals
BORE	SB-M9-01	BH90112X	12.0	19-NOV-96	RL	52678-03	SMV2/S		Unknown compound 623	9	UGG V8		
									Unknown compound 630	.5	UGG V8D		
									Unknown compound 637	9 E -2	UGG V8		
									Unknown compound 664	1	UGG V8		
									Diesel range organics	9 E -2	UGG V		
									Lead	LT 4	UGG V		
									Gasoline range organics	2.45	UGG BV		
									Selenium	LT .5	UGG V		
									Thallium	LT 1	UGG V		
									Mercury	LT 2	UGG V		
									Antimony	LT .2	UGG V		
									Arsenic	LT 1	UGG V		
									Beryllium	LT 5	UGG V		
									Cadmium	LT 1	UGG V		
									Aluminum	LT 1	UGG V		
									Iron	27100	UGG V8		
									Magnesium	31400	UGG V8		
									Manganese	18400	UGG V		
									Nickel	926	UGG V8		
									Potassium	20.3	UGG V		
									Silver	3080	UGG V		
									Sodium	LT 2	UGG V		
									Barium	4880	UGG V		
									Chromium	114	UGG V		
									Cobalt	29.1	UGG V		
									Copper	16.8	UGG V		
									Vanadium	48.6	UGG V		
									Zinc	122	UGG V		
									Calcium	51.9	UGG V		
									4-Nitroaniline	89400	UGG V		
									4-Nitrophenol	LT .8	UGG V		
									2,4-Dimethylphenol	LT .33	UGG V		
									p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
									1,4-Dichlorobenzene	LT .33	UGG V		
									4-Chloroaniline	LT .33	UGG V		
									Bis(2-chloroisopropyl) ether	LT .33	UGG V		
									Phenol / Carbolic acid / Phenic acid	LT .33	UGG V		
									/ Phenyllic acid / Phe*	LT .33	UGG V		
									Bis(2-chloroethyl) ether	LT .33	UGG V		
									Bis(2-chloroethoxy) methane	LT .33	UGG V		
									Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
									Di-n-octyl phthalate	LT .5	UGG V		
									Hexachlorobenzene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-PH-01	BPH0107X	7.0	19-NOV-96	RL	52678-04	SNV2/S	120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								72-55-9	2,2-Bis(p-chlorophenyl)-1,1-dichloroethene	.12	UGG VS		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
BORE	SB-PH-01	BPH0107X	7.0	19-NOV-96	RL	52678-04	SMV2/S	88-74-4	2-Nitroaniline	LT .8	UGG	V		
								88-75-5	2-Nitrophenol	LT .33	UGG	V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG	V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG	V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG	V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG	V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG	V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG	V		
								95-57-8	2-Chlorophenol	LT .33	UGG	V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG	V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG	V		
								99-09-2	3-Nitroaniline	LT .8	UGG	V		
									4-Bromophenyl phenyl ether	LT .33	UGG	V		
									4-Chlorophenyl phenyl ether	LT .33	UGG	V		
									Unknown compound 539	7	UGG	VB		
									Unknown compound 548	.1	UGG	V		
									Unknown compound 551	.1	UGG	VB		
									Unknown compound 556	.1	UGG	V		
									Unknown compound 606	.2	UGG	VB		
									Unknown compound 614	.2	UGG	VB		
									Unknown compound 615	.7	UGG	VB		
									Unknown compound 623	5	UGG	VB		
									Unknown compound 632	.3	UGG	VB		
									Unknown compound 637	.1	UGG	VB		
									Unknown compound 660	1	UGG	VB		
										.4	UGG	V		

\*\* End of Report - 804 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

## GROUNDWATER

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	DR0 /W	7439-92-1	Diesel range organics	LT 100	UGL		
							GPB1/W		Lead	LT 3	UGL		
							GRO /W		Gasoline range organics	LT 10	UGL		
							GSE1/W	7782-49-2	Selenium	LT 5	UGL		
							GTL1/W	7440-28-0	Thallium	LT 10	UGL		
							HGC1/W	7439-97-6	Mercury	LT 10	UGL		
							ICM1/W	7440-36-0	Antimony	LT .2	UGL		
								7440-38-2	Arsenic	LT 1	UGL		
								7440-41-7	Beryllium	LT 5	UGL		
								7440-43-9	Cadmium	LT 1	UGL		
								7429-90-5	Aluminum	LT 1	UGL		
							ICP2/W	7439-89-6	Iron	LT 200	UGL		
								7439-95-4	Magnesium	LT 100	UGL		
								7439-96-5	Manganese	21800	UGL		
								7440-02-0	Nickel	LT 15	UGL		
								7440-09-7	Potassium	LT 40	UGL		
								7440-22-4	Silver	LT 5000	UGL		
								7440-23-5	Sodium	LT 10	UGL		
								7440-39-3	Barium	LT 10	UGL		
								7440-47-3	Chromium	LT 20	UGL		
								7440-48-4	Cobalt	LT 200	UGL		
								7440-50-8	Copper	LT 10	UGL		
								7440-62-2	Vanadium	LT 25	UGL		
								7440-66-6	Zinc	LT 50	UGL		
								7440-70-2	Calcium	LT 20	UGL		
							SMV1/W	100-01-6	4-Nitroaniline	80100	UGL		
								100-02-7	4-Nitrophenol	LT 25	UGL		
								105-67-9	2,4-Dimethylphenol	LT 25	UGL		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	SMV1/W					
							131-11-3	Dimethyl phthalate	LT 10	UGL		
							132-64-9	Dibenzofuran	LT 10	UGL		
							191-24-2	Benzo[ghi]perylene	LT 10	UGL		
							193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
							205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
							206-44-0	Fluoranthene	LT 10	UGL		
							207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
							208-96-8	Acenaphthylene	LT 10	UGL		
							218-01-9	Chrysene	LT 10	UGL		
							50-32-8	Benzo[a]pyrene	LT 10	UGL		
							51-28-5	2,4-Dinitrophenol	LT 25	UGL		
							53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
							534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
							541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
							56-55-3	Benzo[a]anthracene	LT 10	UGL		
							59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
							606-20-2	2,6-Dinitrotoluene	LT 10	UGL		
							621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
							67-72-1	Hexachloroethane	LT 10	UGL		
							77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
							78-59-1	Isochlorone	LT 10	UGL		
							83-32-9	Acenaphthene	LT 10	UGL		
							84-66-2	Diethyl phthalate	LT 10	UGL		
							84-74-2	Di-n-butyl phthalate	LT 10	UGL		
							85-01-8	Phenanthrene	LT 10	UGL		
							85-68-7	Butylbenzyl phthalate	LT 10	UGL		
							86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
							86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
							86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
							87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
							87-86-5	Pentachlorophenol	LT 25	UGL		
							88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
							88-74-4	2-Nitroaniline	LT 25	UGL		
							88-75-5	2-Nitrophenol	LT 10	UGL		
							91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
							91-57-6	2-Methylnaphthalene	LT 10	UGL		
							91-58-7	2-Chloronaphthalene	LT 10	UGL		
							91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
							95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	SMV1/W	95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								100-41-4	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								100-42-5	1,2-Dichloroethane	LT 1	UGL		
								10061-01-5	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								107-06-2	Toluene	LT 1	UGL		
								108-88-3	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								108-90-7	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								124-48-1	Tetrachloroethylene / Tetrachloroethene / Perchloroethylen*	LT 1	UGL		
								127-18-4	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
								540-59-0	Carbon tetrachloride	LT 1	UGL		
								56-23-5	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
								591-78-6	Acetone	5.4	UGL		
								67-64-1	Chloroform	LT 1	UGL		
								67-66-3	Benzene	LT 1	UGL		
								71-43-2	1,1,1-Trichloroethane	LT 1	UGL		
								71-55-6	Bromomethane	LT 1	UGL		
								74-83-9	Chloromethane	LT 1	UGL		
								74-87-3	Chloroethane	LT 1	UGL		
								75-00-3	Vinyl chloride / Chloroethene	LT 1	UGL		
								75-01-4	Methylene chloride / Dichloromethane	LT 1	UGL		
								75-09-2	Carbon disulfide	LT 1	UGL		
								75-15-0	Bromoform	LT 1	UGL		
								75-25-2	Bromodichloromethane	LT 1	UGL		
								75-27-4	1,1-Dichloroethane	LT 1	UGL		
								75-34-3	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL		
								75-35-4	1,2-Dichloropropane	LT 1	UGL		
								78-87-5	Methyl ethyl ketone / 2-Butanone	LT 1	UGL		
								78-93-3	1,1,2-Trichloroethane	LT 15	UGL		
								79-00-5		LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	VMS1/W		79-01-6	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL		
									79-34-5	Tetrachloroethane / 1,1,2,2-Xylenes, total combined	LT 1	UGL		
										trans-1,3-Dichloropropene	LT 1	UGL		
										Diesel range organics	250	UGL		
										Lead	LT 3	UGL		
										Gasoline range organics	LT 10	UGL		
										Selenium	LT 5	UGL		
										Thallium	LT 10	UGL		
										Mercury	LT .2	UGL		
										Antimony	LT 1	UGL		
										Arsenic	LT 5	UGL		
										Beryllium	LT 1	UGL		
										Cadmium	LT 1	UGL		
										Aluminum	LT 1	UGL		
										Iron	6290	UGL		
										Magnesium	7070	UGL		
										Manganese	14700	UGL		
										Nickel	183	UGL		
										Potassium	LT 40	UGL		
										Silver	LT 5000	UGL		
										Sodium	LT 10	UGL		
										Barium	96500	UGL		
										Chromium	LT 200	UGL		
										Cobalt	LT 10	UGL		
										Copper	LT 50	UGL		
										Vanadium	LT 25	UGL		
										Zinc	LT 50	UGL		
										Calcium	20.6	UGL		
										4-Nitroaniline	51200	UGL		
										4-Nitrophenol	LT 25	UGL		
										2,4-Dimethylphenol	LT 25	UGL		
										p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
										1,4-Dichlorobenzene	LT 10	UGL		
										4-Chloroaniline	LT 10	UGL		
										Bis(2-chloroisopropyl) ether	LT 10	UGL		
										Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*	LT 10	UGL		
										Bis(2-chloroethyl) ether	LT 10	UGL		
										Bis(2-chloroethoxy) methane	LT 10	UGL		
										Bis(2-ethylhexyl) phthalate	LT 35	UGL		
										Di-n-octyl phthalate	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	SNV1/W	118-74-1	Hexachlorobenzene	LT 10	UGL	---	---
								120-12-7	Anthracene	LT 10	UGL	---	---
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL	---	---
								120-83-2	2,4-Dichlorophenol	LT 10	UGL	---	---
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL	---	---
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL	---	---
								131-11-3	Dimethyl phthalate	LT 10	UGL	---	---
								132-64-9	Dibenzofuran	LT 10	UGL	---	---
								191-24-2	Benzo[ghi]perylene	LT 10	UGL	---	---
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL	---	---
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL	---	---
								206-44-0	Fluoranthene	LT 10	UGL	---	---
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL	---	---
								208-96-8	Acenaphthylene	LT 10	UGL	---	---
								218-01-9	Chrysene	LT 10	UGL	---	---
								50-32-8	Benzo[a]pyrene	LT 10	UGL	---	---
								51-28-5	2,4-Dinitrophenol	LT 25	UGL	---	---
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL	---	---
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL	---	---
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL	---	---
								56-55-3	Benzo[a]anthracene	LT 10	UGL	---	---
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL	---	---
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL	---	---
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL	---	---
								67-72-1	Hexachloroethane	LT 10	UGL	---	---
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL	---	---
								78-59-1	Isophorone	LT 10	UGL	---	---
								83-32-9	Acenaphthene	LT 10	UGL	---	---
								84-66-2	Diethyl phthalate	LT 10	UGL	---	---
								84-74-2	Di-n-butyl phthalate	LT 10	UGL	---	---
								85-01-8	Phenanthrene	LT 10	UGL	---	---
								85-68-7	Butylbenzyl phthalate	LT 10	UGL	---	---
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL	---	---
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL	---	---
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL	---	---
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL	---	---
								87-86-5	Pentachlorophenol	LT 25	UGL	---	---
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL	---	---
								88-74-4	2-Nitroaniline	LT 25	UGL	---	---

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	SNV1/W	88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Unknown compound 550	30	UGL		
									Unknown compound 552	10	UGL		
									Unknown compound 616	20	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								107-06-2	1,2-Dichloroethane	LT 1	UGL		
								108-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								108-88-3	Toluene	LT 1	UGL		
								108-90-7	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								124-48-1	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								127-18-4	Tetrachloroethylene / Tetrachloroethene / Perchloroethylen*	LT 1	UGL		
								540-59-0	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
								56-23-5	Carbon tetrachloride	LT 1	UGL		
								591-78-6	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
								67-64-1	Acetone	LT 5	UGL		
								67-66-3	Chloroform	LT 1	UGL		
								71-43-2	Benzene	LT 1	UGL		
								71-55-6	1,1,1-Trichloroethane	LT 1	UGL		
								74-83-9	Bromomethane	LT 1	UGL		
								74-87-3	Chloromethane	LT 1	UGL		
								75-00-3	Chloroethane	LT 1	UGL		
								75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL		
								75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	VMS1/W	75-15-0	Carbon disulfide	LT 1	UGL			
								75-25-2	Bromoform	LT 1	UGL			
								75-27-4	Bromodichloromethane	LT 1	UGL			
								75-34-3	1,1-Dichloroethane	LT 1	UGL			
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL			
								78-87-5	1,2-Dichloropropane	LT 1	UGL			
								78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL			
								79-00-5	1,1,2-Trichloroethane	LT 1	UGL			
								79-01-6	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL			
								79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL			
MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	DRO /W	GPB1/W	7439-92-1	Unknown compound 249	1	UGL			
									Xylenes, total combined	LT 1	UGL			
									trans-1,3-Dichloropropene	LT 1	UGL			
									Diesel range organics	LT 100	UGL			
									Lead	LT 3	UGL			
									Gasoline range organics	LT 10	UGL			
									Selenium	LT 5	UGL			
									Thallium	LT 10	UGL			
									Mercury	LT .2	UGL			
									Antimony	LT 1	UGL			
									Arsenic	LT 5	UGL			
									Beryllium	LT 1	UGL			
									Cadmium	LT 1	UGL			
									Aluminum	LT 1	UGL			
									Iron	2750	UGL			
									Magnesium	1600	UGL			
									Manganese	20300	UGL			
									Nickel	144	UGL			
									Potassium	LT 40	UGL			
									Silver	LT 5000	UGL			
									Sodium	LT 10	UGL			
									Barium	LT 200	UGL			
									Chromium	LT 10	UGL			
									Cobalt	LT 50	UGL			
									Copper	LT 25	UGL			
	Vanadium	LT 50	UGL											
	Zinc	LT 20	UGL											
	Calcium	LT 20	UGL											
	4-Nitroaniline	76800	UGL											
	4-Nitrophenol	LT 25	UGL											
	2,4-Dimethylphenol	LT 10	UGL											

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW

Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	SMV1/W	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzofdef]phenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW 15-JAN-97  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	SNV1/W	85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		
								88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
									cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
									1,2-Dichloroethane	LT 1	UGL		
									Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
									Toluene	LT 1	UGL		
									Chlorobenzene / Monochlorobenzene	LT 1	UGL		
									Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
									Tetrachloroethylene / Tetrachloroethene / Perchloroethylen*	LT 1	UGL		
									1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
									Carbon tetrachloride	LT 1	UGL		
									Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
									Acetone	LT 5	UGL		
									Chloroform	LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

[illegible]

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	ICP2/W	7440-50-8	Copper	LT 25	UGL		
								7440-62-2	Vanadium	LT 50	UGL		
								7440-66-6	Zinc	LT 20	UGL		
								7440-70-2	Calcium	89500	UGL		
							SMV1/W	100-01-6	4-Nitroaniline	LT 25	UGL		
								100-02-7	4-Nitrophenol	LT 25	UGL		
								105-67-9	2,4-Dimethylphenol	LT 10	UGL		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	SHV1/W	621-64-7 67-72-1 77-47-4 78-59-1 83-32-9 84-66-2 84-74-2 85-01-8 85-68-7 86-30-6 86-73-7 86-74-8 87-68-3	N-Nitrosodi-n-propylamine Hexachloroethane Hexachlorocyclopentadiene Isophorone Acenaphthene Diethyl phthalate Di-n-butyl phthalate Phenanthrene Butylbenzyl phthalate N-Nitrosodiphenylamine Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10	UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL		
								87-86-5 88-06-2 88-74-4 88-75-5 91-20-3 91-57-6 91-58-7 91-94-1 95-48-7 95-50-1 95-57-8 95-95-4 98-95-3 99-09-2	Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitroaniline 2-Nitrophenol Naphthalene / Tar camphor 2-Methylnaphthalene 2-Chloronaphthalene 3,3'-Dichlorobenzidine o-Cresol / 2-Cresol / 2-Methylphenol 1,2-Dichlorobenzene 2-Chlorophenol 2,4,5-Trichlorophenol Nitrobenzene / Essence of mirbane / Oil of mirbane 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chlorophenyl phenyl ether Ethylbenzene Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 25 LT 10 LT 25 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 10 LT 25 LT 10 LT 25	UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL UGL		
							VMS1/W	100-41-4 100-42-5		LT 1 LT 1	UGL UGL		
								10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								107-06-2 108-10-1	1,2-Dichloroethane Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 1 LT 5	UGL UGL		
								108-88-3 108-90-7 124-48-1	Toluene Chlorobenzene / Monochlorobenzene Dibromochloromethane / Chlorodibromomethane	LT 1 LT 1 LT 1	UGL UGL UGL		
								127-18-4					

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals
PLUG	SS-M9-01	SM90101X	1.0	19-NOV-96	RL 52678-13	SMV2/S		86-73-7	Fluorene / 9H-Fluorene	LT 1	UGG	V		
								86-74-8	Carbazole / 9H-Carbazole	LT 1	UGG	V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 1	UGG	V		
								87-86-5	Pentachlorophenol	LT 3	UGG	V		
								88-06-2	2,4,6-Trichlorophenol	LT 1	UGG	V		
								88-74-4	2-Nitroaniline	LT 3	UGG	V		
								88-75-5	2-Nitrophenol	LT 1	UGG	V		
								91-20-3	Naphthalene / Tar camphor	LT 1	UGG	V		
								91-57-6	2-Methylnaphthalene	LT 1	UGG	V		
								91-58-7	2-Chloronaphthalene	LT 1	UGG	V		
								91-94-1	3,3'-Dichlorobenzidine	LT 3	UGG	V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 1	UGG	V		
								95-50-1	1,2-Dichlorobenzene	LT 1	UGG	V		
								95-57-8	2-Chlorophenol	LT 1	UGG	V		
								95-95-4	2,4,5-Trichlorophenol	LT 1	UGG	V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 1	UGG	V		
								99-09-2	3-Nitroaniline	LT 3	UGG	V		
									4-Bromophenyl phenyl ether	LT 1	UGG	V		
									4-Chlorophenyl phenyl ether	LT 1	UGG	V		
									Unknown compound 539	4	UGG	VB		
									Unknown compound 563	5	UGG	V		
									Unknown compound 564	3	UGG	V		
									Unknown compound 566	3	UGG	V		
									Unknown compound 567	4	UGG	V		
									Unknown compound 574	5	UGG	V		
									Unknown compound 580	2	UGG	V		
									Unknown compound 586	.6	UGG	VBD		
									Unknown compound 592	3	UGG	V		
									Unknown compound 596	1	UGG	V		
									Unknown compound 603	1	UGG	V		
									Unknown compound 623	1	UGG	VB		
									Diesel range organics	1	UGG	VBD		
									Lead	16	UGG	V		
									Gasoline range organics	22.6	UGG	VB		
									Selenium	LT .5	UGG	V		
									Thallium	LT 1	UGG	V		
									Mercury	LT 2	UGG	V		
									Antimony	LT .2	UGG	V		
									Arsenic	LT 1	UGG	V		
									Beryllium	LT 5	UGG	V		
										LT 1	UGG	V		
SS-MM-01		SM90102X	2.0	19-NOV-96	RL 52678-10	DRD /S		7439-92-1	Lead					
						GPB1/S								
						GRO /S								
						GSE1/S		7782-49-2	Selenium					
						GTL1/S		7440-28-0	Thallium					
						HGC1/S		7439-97-6	Mercury					
						ICM1/S		7440-36-0	Antimony					
								7440-38-2	Arsenic					
								7440-41-7	Beryllium					

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Qualls	EPA Data Qualls
PLUG	SS-WM-01	SWM0102X	2.0	19-NOV-96	RL 52678-10	SNV2/S	218-01-9	Chrysene	LT .33	UGG V	---	---
							50-32-8	Benzo[a]pyrene	LT .33	UGG V	---	---
							51-28-5	2,4-Dinitrophenol	LT .8	UGG V	---	---
							53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V	---	---
							534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V	---	---
							541-73-1	1,3-Dichlorobenzene	LT .33	UGG V	---	---
							56-55-3	Benzo[a]anthracene	LT .33	UGG V	---	---
							59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V	---	---
							606-20-2	2,6-Dinitrotoluene	LT .33	UGG V	---	---
							621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V	---	---
							67-72-1	Hexachloroethane	LT .33	UGG V	---	---
							77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V	---	---
							78-59-1	Isophorone	LT .33	UGG V	---	---
							83-32-9	Acenaphthene	LT .33	UGG V	---	---
							84-66-2	Diethyl phthalate	LT .33	UGG V	---	---
							84-74-2	Di-n-butyl phthalate	LT .33	UGG V	---	---
							85-01-8	Phenanthrene	LT .33	UGG V	---	---
							85-68-7	Butylbenzyl phthalate	LT .33	UGG V	---	---
							86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V	---	---
							86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V	---	---
							86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V	---	---
							87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V	---	---
							87-86-5	Pentachlorophenol	LT .8	UGG V	---	---
							88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V	---	---
							88-74-4	2-Nitroaniline	LT .8	UGG V	---	---
							88-75-5	2-Nitrophenol	LT .33	UGG V	---	---
							91-20-3	Naphthalene / Tar camphor	LT .33	UGG V	---	---
							91-57-6	2-Methylnaphthalene	LT .33	UGG V	---	---
							91-58-7	2-Chloronaphthalene	LT .33	UGG V	---	---
							91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V	---	---
							95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V	---	---
							95-50-1	1,2-Dichlorobenzene	LT .33	UGG V	---	---
							95-57-8	2-Chlorophenol	LT .33	UGG V	---	---
							95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V	---	---
							98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V	---	---
							99-09-2	3-Nitroaniline	LT .8	UGG V	---	---
								4-Bromophenyl phenyl ether	LT .33	UGG V	---	---
								4-Chlorophenyl phenyl ether	LT .33	UGG V	---	---
								Unknown compound 539	6	UGG VB	---	---

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

10:31:44

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo	Conc	Unit Meas	Flag Codes	Date	EPA Data
PLUG	SS-LW-01	SMW0102X	2.0	19-NOV-96	RL	52678-10	SMV2/S		Unknown compound 551	.1		UGG	VB		
									Unknown compound 606	.2		UGG	VB		
									Unknown compound 614	.3		UGG	VB		
									Unknown compound 615	.5		UGG	VB		
									Unknown compound 623	7		UGG	VB		
									Unknown compound 630	.3		UGG	VBD		
									Unknown compound 637	.1		UGG	VB		
									Unknown compound 640	2		UGG	VB		
									Unknown compound 660	9 E	-2	UGG	V		
									Unknown compound 671	1		UGG	V		
										.2		UGG	V		

\*\* End of Report - 626 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOIL BORINGS - SUBSURFACE SOIL**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation : Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	8080112X	12.0	19-NOV-96	RL	52678-01	DRO /S	7439-92-1	Diesel range organics	LT 4	UGG V		
							GP81/S		Lead	2.55	UGG BV		
							GRO /S		Gasoline range organics	LT .5	UGG V		
							GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
							GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
							HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
							ICM1/S	7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	2.57	UGG V		
								7440-41-7	Beryllium	.316	UGG V		
								7440-43-9	Cadmium	LT .2	UGG V		
							ICP1/S	7429-90-5	Aluminum	25400	UGG V		
								7439-89-6	Iron	24300	UGG VB		
								7439-95-4	Magnesium	51000	UGG VB		
								7439-96-5	Manganese	47100	UGG VB		
								7440-02-0	Nickel	17500	UGG V		
								7440-09-7	Potassium	18200	UGG V		
								7440-22-4	Silver	957	UGG VB		
								7440-23-5	Sodium	973	UGG VB		
								7440-39-3	Barium	34.7	UGG V		
								7440-47-3	Chromium	LT 1000	UGG V		
								7440-48-4	Cobalt	LT 1000	UGG V		
								7440-50-8	Copper	LT 2	UGG V		
								7440-62-2	Vanadium	44.1	UGG V		
								7440-66-6	Zinc	1580	UGG V		
								7440-70-2	Calcium	1350	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	196	UGG V		
								100-02-7	4-Nitrophenol	152	UGG V		
								105-67-9	2,4-Dimethylphenol	62.8	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	24.4	UGG V		
								106-46-7	1,4-Dichlorobenzene	251	UGG V		
								106-47-8	4-Chloroaniline	48.5	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	192	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	69.8	UGG V		
										14000	UGG V		
										31300	UGG V		
										LT .8	UGG V		
										LT .8	UGG V		
										LT .33	UGG V		
										LT .33	UGG V		
										LT .33	UGG V		
										LT .33	UGG V		
										LT .33	UGG V		
										LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	SHW2/S	111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3					

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-01	B080112X	12.0	19-NOV-96	RL	52678-01	SMV2/S	87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V	-----	-----
								87-86-5	Pentachlorophenol	LT .8	UGG V	-----	-----
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V	-----	-----
								88-74-4	2-Nitroaniline	LT .8	UGG V	-----	-----
								88-75-5	2-Nitrophenol	LT .33	UGG V	-----	-----
								91-20-3	Nepthalene / Tar camphor	LT .33	UGG V	-----	-----
								91-57-6	2-Methylnaphthalene	LT .33	UGG V	-----	-----
								91-58-7	2-Chloronaphthalene	LT .33	UGG V	-----	-----
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V	-----	-----
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V	-----	-----
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V	-----	-----
								95-57-8	2-Chlorophenol	LT .33	UGG V	-----	-----
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V	-----	-----
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V	-----	-----
								99-09-2	3-Nitroaniline	LT .8	UGG V	-----	-----
									4-Bromophenyl phenyl ether	LT .33	UGG V	-----	-----
									4-Chlorophenyl phenyl ether	LT .33	UGG V	-----	-----
									Unknown compound 537	9 E -2	UGG V	-----	-----
									Unknown compound 539	6	UGG VB	-----	-----
									Unknown compound 551	.1	UGG VB	-----	-----
									Unknown compound 614	8 E -2	UGG VB	-----	-----
									Unknown compound 615	.2	UGG VB	-----	-----
									Unknown compound 623	4	UGG VB	-----	-----
									Unknown compound 637	.2	UGG VBD	-----	-----
SB-08-02	B080212X		12.0	19-NOV-96	RL	52678-02	DRO /S		Unknown compound 637	1	UGG VB	-----	-----
							GPB1/S		Diesel range organics	LT 4	UGG V	-----	-----
							GRO /S	7439-92-1	Lead	2.13	UGG BV	-----	-----
							GSE1/S		Gasoline range organics	LT .5	UGG V	-----	-----
							GTL1/S	7782-49-2	Selenium	LT 1	UGG V	-----	-----
							HGC1/S	7440-28-0	Thallium	LT 2	UGG V	-----	-----
							ICM1/S	7439-97-6	Mercury	LT .2	UGG V	-----	-----
								7440-36-0	Antimony	LT .2	UGG V	-----	-----
								7440-38-2	Arsenic	2.32	UGG V	-----	-----
								7440-41-7	Beryllium	.428	UGG V	-----	-----
								7440-43-9	Cadmium	LT .2	UGG V	-----	-----
							ICP1/S		Aluminum	24300	UGG VB	-----	-----
								7429-90-5	Iron	40700	UGG VB	-----	-----
								7439-89-6	Magnesium	17800	UGG V	-----	-----
								7439-95-4	Manganese	1410	UGG VB	-----	-----
								7439-96-5	Nickel	45.7	UGG V	-----	-----
								7440-02-0	Potassium	LT 1000	UGG V	-----	-----
								7440-09-7	Silver	LT 2	UGG V	-----	-----
								7440-22-4				-----	-----

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-08-02	BD80212X	12.0	19-NOV-96	RL 52678-02		ICP1/S	7440-23-5	Sodium	4500	UGG V		
								7440-39-3	Barium	169	UGG V		
								7440-47-3	Chromium	48.8	UGG V		
								7440-48-4	Cobalt	26.2	UGG V		
								7440-50-8	Copper	56.2	UGG V		
								7440-62-2	Vanadium	131	UGG V		
								7440-66-6	Zinc	67.7	UGG V		
								7440-70-2	Calcium	13600	UGG V		
							SHV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .33	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .8	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation : Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-01	8090112X	12.0	18-NOV-96	RL 52678-14		SMW2/S	120-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								1610-18-0	2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato*	.32	UGG VS		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-c,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-01	BO90112X	12.0	18-NOV-96	RL 52678-14		SNV2/S	91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	.1	UGG V		
									Unknown compound 539	7	UGG V		
									Unknown compound 548	9 E -2	UGG V		
									Unknown compound 549	.1	UGG V		
									Unknown compound 551	.1	UGG V		
									Unknown compound 607	.1	UGG V		
									Unknown compound 614	.2	UGG V		
									Unknown compound 615	.5	UGG V		
									Unknown compound 623	7	UGG V		
									Unknown compound 637	.4	UGG V		
SB-09-02		BO90212X	12.0	18-NOV-96	RL 52678-15		GRO /S		Gasoline range organics	1	UGG V		
		BO90212X	12.0	18-NOV-96	RL 52678-15		DRO /S		Diesel range organics	LT .5	UGG V		
							GP81/S	7439-92-1	Lead	LT 4	UGG V		
							GSE1/S	7782-49-2	Selenium	2.71	UGG BV		
							GTL1/S	7440-28-0	Thallium	LT 1	UGG V		
							HGC1/S	7439-97-6	Mercury	LT 2	UGG V		
							ICH1/S	7440-36-0	Antimony	LT .2	UGG V		
								7440-38-2	Arsenic	LT 1	UGG V		
								7440-41-7	Beryllium	LT 5	UGG V		
								7440-43-9	Cadmium	LT 1	UGG V		
								7429-90-5	Aluminum	LT 1	UGG V		
							ICP1/S	7439-89-6	Iron	20800	UGG V		
								7439-95-4	Magnesium	29800	UGG V		
								7439-96-5	Manganese	16800	UGG V		
								7440-02-0	Nickel	2080	UGG V		
								7440-09-7	Potassium	34.3	UGG V		
								7440-22-4	Silver	LT 1000	UGG V		
								7440-23-5	Sodium	LT 2	UGG V		
								7440-39-3	Barium	LT 1000	UGG V		
								7440-47-3	Chromium	337	UGG V		
								7440-48-4	Cobalt	29.6	UGG V		
								7440-50-8	Copper	24.2	UGG V		
										49.9	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	8090212X	12.0	18-NOV-96	RL	52678-15	ICP1/S	7440-62-2	Vanadium	95.4	UGG V		
								7440-66-6	Zinc	51.9	UGG V		
								7440-70-2	Calcium	89500	UGG V		
							SMV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carbolic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	.58	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-c,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSD  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	BO90212X	12.0	18-NOV-96	RL	52678-15	SNV2/S	67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	.1	UGG V		
									Unknown compound 539	10	UGG VB		
									Unknown compound 544	8 E -2	UGG V		
									Unknown compound 547	9 E -2	UGG V		
									Unknown compound 548	.1	UGG V		
									Unknown compound 549	.2	UGG V		
									Unknown compound 551	.1	UGG V		
									Unknown compound 596	.1	UGG VB		
									Unknown compound 606	.2	UGG V		
									Unknown compound 614	.2	UGG VB		
									Unknown compound 615	.3	UGG VB		
									Unknown compound 623	.8	UGG VB		
										8	UGG VB		
										.4	UGG VBD		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-02	8090212X	12.0	18-NOV-96	RL 52678-15	SWV2/S		Unknown compound 637	2	UGG VB		
BORE	SB-09-03	8090312X	12.0	18-NOV-96	RL 52678-05	DRO /S	7439-92-1	Diesel range organics	LT 4	UGG V		
						GPB1/S		Lead	2.55	UGG BV		
						GRO /S		Gasoline range organics	LT .5	UGG V		
						GSE1/S	7782-49-2	Selenium	LT 1	UGG V		
						GTL1/S	7440-28-0	Thallium	LT 2	UGG V		
						HGC1/S	7439-97-6	Mercury	LT .2	UGG V		
						ICM1/S	7440-36-0	Antimony	LT .2	UGG V		
							7440-38-2	Arsenic	2.4	UGG V		
							7440-41-7	Beryllium	.391	UGG V		
							7440-43-9	Cadmium	LT .2	UGG V		
						ICP1/S	7429-90-5	Aluminum	23700	UGG VB		
							7439-89-6	Iron	37100	UGG VB		
							7439-95-4	Magnesium	18500	UGG V		
							7439-96-5	Manganese	614	UGG VB		
							7440-02-0	Nickel	38	UGG V		
							7440-09-7	Potassium	LT 1000	UGG V		
							7440-22-4	Silver	LT 2	UGG V		
							7440-23-5	Sodium	LT 1000	UGG V		
							7440-39-3	Barium	156	UGG V		
							7440-47-3	Chromium	46.5	UGG V		
							7440-48-4	Cobalt	22.1	UGG V		
							7440-50-8	Copper	55.9	UGG V		
							7440-62-2	Vanadium	124	UGG V		
							7440-66-6	Zinc	58.9	UGG V		
						SWV2/S	7440-70-2	Calcium	27000	UGG V		
							100-01-6	4-Nitroaniline	LT .8	UGG V		
							100-02-7	4-Nitrophenol	LT .8	UGG V		
							105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
							106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
							106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
							106-47-8	4-Chloroaniline	LT .33	UGG V		
							108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
							108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
							111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
							111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
							117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
							117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
							118-74-1	Hexachlorobenzene	LT .33	UGG V		
							120-12-7	Anthracene	LT .33	UGG V		
							120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
							120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
							121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-03	B090312X	12.0	18-NOV-96	RL	52678-05	SMV2/S	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup>	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-03	B090312X	12.0	18-NOV-96	RL	52678-05	SHV2/S	95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	9 E -2	UGG V		
									Unknown compound 539	6	UGG VB		
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	DRO /S	GPB1/S	7439-92-1	Unknown compound 637	1	UGG VB		
								7439-92-1	Diesel range organics	LT 4	UGG V		
								7782-49-2	Lead	2.37	UGG BV		
								7440-28-0	Gasoline range organics	LT .5	UGG V		
								7439-97-6	Selenium	LT 1	UGG V		
								7440-36-0	Thallium	LT 2	UGG V		
								7440-41-7	Mercury	LT .2	UGG V		
								7440-43-9	Antimony	LT 1	UGG V		
								7429-90-5	Arsenic	LT 5	UGG V		
								7439-89-6	Beryllium	LT 1	UGG V		
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	ICP1/S	GRO /S	7439-95-4	Cadmium	LT 1	UGG V		
								7439-95-4	Aluminum	LT 1	UGG V		
								7439-96-5	Iron	29300	UGG VB		
								7440-02-0	Magnesium	44300	UGG VB		
								7440-09-7	Manganese	16700	UGG V		
								7440-22-4	Nickel	1880	UGG VB		
								7440-23-5	Potassium	23.3	UGG V		
								7440-39-3	Silver	LT 1000	UGG V		
								7440-47-3	Sodium	LT 2	UGG V		
								7440-48-4	Barium	LT 1000	UGG V		
SB-09-04	B090412X	12.0	18-NOV-96	RL	52678-06	SHV2/S	GRO /S	7440-48-4	Chromium	401	UGG V		
								7440-50-8	Cobalt	31.5	UGG V		
								7440-62-2	Copper	26.2	UGG V		
								7440-66-6	Vanadium	49.4	UGG V		
								7440-70-2	Zinc	162	UGG V		
								100-01-6	Calcium	61.1	UGG V		
								100-02-7	4-Nitroaniline	42900	UGG V		
								105-67-9	4-Nitrophenol	LT .8	UGG V		
									2,4-Dimethylphenol	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-04	8090412X	12.0	18-NOV-96	RL	52678-06	SHV2/S	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT .6	UGG V		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CS0  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-09-04	8090412X	12.0	18-NOV-96	RL	52678-06	SMV2/S	85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	5	UGG VB		
									Unknown compound 614	8 E -2	UGG VB		
									Unknown compound 615	.3	UGG VB		
									Unknown compound 623	7	UGG VB		
									Unknown compound 637	.4	UGG VBD		
									Diesel range organics	.8	UGG VB		
									Lead	LT 4	UGG V		
									Gasoline range organics	2.98	UGG BV		
									Selenium	LT .5	UGG V		
									Thallium	LT 1	UGG V		
									Mercury	LT 2	UGG V		
									Antimony	LT 2	UGG V		
									Arsenic	LT .2	UGG V		
									Beryllium	1.54	UGG V		
									Cadmium	.437	UGG V		
									Aluminum	LT .2	UGG V		
									Iron	35700	UGG VB		
									Magnesium	46500	UGG VB		
									Manganese	20400	UGG V		
										961	UGG VB		
SB-M9-01		BH90112X	12.0	19-NOV-96	RL	52678-03	DRO /S	7439-92-1	Unknown compound 637				
							GPB1/S		Diesel range organics				
							GRO /S		Lead				
							GSE1/S	7782-49-2	Gasoline range organics				
							GTL1/S	7440-28-0	Selenium				
							HGC1/S	7439-97-6	Thallium				
							ICM1/S	7440-36-0	Mercury				
								7440-38-2	Antimony				
								7440-41-7	Arsenic				
								7440-43-9	Beryllium				
							ICP1/S	7429-90-5	Cadmium				
								7439-89-6	Aluminum				
								7439-95-4	Iron				
								7439-96-5	Magnesium				
									Manganese				

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-W9-01	BK90112X	12.0	19-NOV-96	RL	52678-03	ICP1/S	7440-02-0	Nickel	33.7	UGG V		
								7440-09-7	Potassium	3190	UGG V		
								7440-22-4	Silver	LT 2	UGG V		
								7440-23-5	Sodium	4520	UGG V		
								7440-39-3	Barium	95	UGG V		
								7440-47-3	Chromium	49.2	UGG V		
								7440-48-4	Cobalt	20.8	UGG V		
								7440-50-8	Copper	63	UGG V		
								7440-62-2	Vanadium	148	UGG V		
								7440-66-6	Zinc	68.9	UGG V		
								7440-70-2	Calcium	38200	UGG V		
							SNV2/S	100-01-6	4-Nitroaniline	LT .8	UGG V		
								100-02-7	4-Nitrophenol	LT .8	UGG V		
								105-67-9	2,4-Dimethylphenol	LT .33	UGG V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
								106-46-7	1,4-Dichlorobenzene	LT .33	UGG V		
								106-47-8	4-Chloroaniline	LT .33	UGG V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT .33	UGG V		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT .33	UGG V		
								111-44-4	Bis(2-chloroethyl) ether	LT .33	UGG V		
								111-91-1	Bis(2-chloroethoxy) methane	LT .33	UGG V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
								117-84-0	Di-n-octyl phthalate	LT .5	UGG V		
								118-74-1	Hexachlorobenzene	LT .33	UGG V		
								120-12-7	Anthracene	LT .33	UGG V		
								120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
								120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
								121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
								131-11-3	Dimethyl phthalate	LT .33	UGG V		
								132-64-9	Dibenzofuran	LT .33	UGG V		
								191-24-2	Benzo[ghi]perylene	LT .6	UGG V		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT .5	UGG V		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .33	UGG V		
								206-44-0	Fluoranthene	LT .33	UGG V		
								207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
								208-96-8	Acenaphthylene	LT .33	UGG V		
								218-01-9	Chrysene	LT .33	UGG V		
								50-32-8	Benzo[a]pyrene	LT .33	UGG V		
								51-28-5	2,4-Dinitrophenol	LT .33	UGG V		
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .8	UGG V		
										LT .6	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Qualls	EPA Data Qualls
30RE	SB-M9-01	BH90112X	12.0	19-NOV-96	RL 52678-03		SNV2/S	534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
								541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
								56-55-3	Benzo[a]anthracene	LT .33	UGG V		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
								606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
								621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
								67-72-1	Hexachloroethane	LT .33	UGG V		
								77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
								78-59-1	Isophorone	LT .33	UGG V		
								83-32-9	Acenaphthene	LT .33	UGG V		
								84-66-2	Diethyl phthalate	LT .33	UGG V		
								84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
								85-01-8	Phenanthrene	LT .33	UGG V		
								85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
								86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
								86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
								86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
								87-86-5	Pentachlorophenol	LT .8	UGG V		
								88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		
								88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .33	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .8	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 537	.1	UGG V		
									Unknown compound 539	7	UGG VB		
									Unknown compound 551	.1	UGG VB		
									Unknown compound 606	.2	UGG VB		
									Unknown compound 614	.2	UGG VB		
									Unknown compound 615	.6	UGG VB		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-M9-01	BK90112X	12.0	19-NOV-96	RL 52678-03		SMV2/S		Unknown compound 623	9	UGG VB		
									Unknown compound 630	.5	UGG VBD		
									Unknown compound 637	9 E -2	UGG VB		
									Unknown compound 664	1	UGG VB		
									Diesel range organics	9 E -2	UGG V		
									Lead	LT 4	UGG V		
									Gasoline range organics	2.45	UGG BV		
									Selenium	LT .5	UGG V		
									Thallium	LT 1	UGG V		
									Mercury	LT 2	UGG V		
									Antimony	LT .2	UGG V		
									Arsenic	LT 1	UGG V		
									Beryllium	LT 5	UGG V		
									Cadmium	LT 1	UGG V		
									Aluminum	LT 1	UGG V		
									Iron	27100	UGG VB		
									Magnesium	31400	UGG VB		
									Manganese	18400	UGG V		
									Nickel	926	UGG VB		
									Potassium	20.3	UGG V		
									Silver	3080	UGG V		
									Sodium	LT 2	UGG V		
									Barium	4880	UGG V		
									Chromium	114	UGG V		
									Cobalt	29.1	UGG V		
									Copper	16.8	UGG V		
									Vanadium	48.6	UGG V		
									Zinc	122	UGG V		
									Calcium	51.9	UGG V		
									4-Nitroaniline	89400	UGG V		
									4-Nitrophenol	LT .8	UGG V		
									2,4-Dimethylphenol	LT .8	UGG V		
									p-Cresol / 4-Cresol / 4-Methylphenol	LT .33	UGG V		
									1,4-Dichlorobenzene	LT .33	UGG V		
									4-Chloroaniline	LT .33	UGG V		
									Bis(2-chloroisopropyl) ether	LT .33	UGG V		
									Phenol / Carbollic acid / Phenic acid	LT .33	UGG V		
									/ Phenyllic acid / Phe*	LT .33	UGG V		
									Bis(2-chloroethyl) ether	LT .33	UGG V		
									Bis(2-chloroethoxy) methane	LT .33	UGG V		
									Bis(2-ethylhexyl) phthalate	LT .33	UGG V		
									Di-n-octyl phthalate	LT .5	UGG V		
									Hexachlorobenzene	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-PH-01	BPH0107X	7.0	19-NOV-96	RL 52678-04	SNV2/S	120-12-7	Anthracene	LT .33	UGG V		
							120-82-1	1,2,4-Trichlorobenzene	LT .33	UGG V		
							120-83-2	2,4-Dichlorophenol	LT .33	UGG V		
							121-14-2	2,4-Dinitrotoluene	LT .33	UGG V		
							129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	UGG V		
							131-11-3	Dimethyl phthalate	LT .33	UGG V		
							132-64-9	Dibenzofuran	LT .33	UGG V		
							191-24-2	Benzo[ghi]perylene	LT .33	UGG V		
							193-39-5	Indeno[1,2,3-C,D]pyrene	LT .6	UGG V		
							205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT .5	UGG V		
							206-44-0	Fluoranthene	LT .33	UGG V		
							207-08-9	Benzo[k]fluoranthene	LT .5	UGG V		
							208-96-8	Acenaphthylene	LT .33	UGG V		
							218-01-9	Chrysene	LT .33	UGG V		
							50-32-8	Benzo[a]pyrene	LT .33	UGG V		
							51-28-5	2,4-Dinitrophenol	LT .8	UGG V		
							53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT .6	UGG V		
							534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 1	UGG V		
							541-73-1	1,3-Dichlorobenzene	LT .33	UGG V		
							56-55-3	Benzo[a]anthracene	LT .33	UGG V		
							59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT .33	UGG V		
							606-20-2	2,6-Dinitrotoluene	LT .33	UGG V		
							621-64-7	N-Nitrosodi-n-propylamine	LT .33	UGG V		
							67-72-1	Hexachloroethane	LT .33	UGG V		
							72-55-9	2,2-Bis(p-chlorophenyl)-1,1-dichloroethene	.12	UGG VS		
							77-47-4	Hexachlorocyclopentadiene	LT .33	UGG V		
							78-59-1	Isophorone	LT .33	UGG V		
							83-32-9	Acenaphthene	LT .33	UGG V		
							84-66-2	Diethyl phthalate	LT .33	UGG V		
							84-74-2	Di-n-butyl phthalate	LT .33	UGG V		
							85-01-8	Phenanthrene	LT .33	UGG V		
							85-68-7	Butylbenzyl phthalate	LT .33	UGG V		
							86-30-6	N-Nitrosodiphenylamine	LT .33	UGG V		
							86-73-7	Fluorene / 9H-Fluorene	LT .33	UGG V		
							86-74-8	Carbazole / 9H-Carbazole	LT .33	UGG V		
							87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT .33	UGG V		
							87-86-5	Pentachlorophenol	LT .8	UGG V		
							88-06-2	2,4,6-Trichlorophenol	LT .33	UGG V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
BORE	SB-PH-01	BPH0107X	7.0	19-NOV-96	RL	52678-04	SMV2/S	88-74-4	2-Nitroaniline	LT .8	UGG V		
								88-75-5	2-Nitrophenol	LT .33	UGG V		
								91-20-3	Naphthalene / Tar camphor	LT .33	UGG V		
								91-57-6	2-Methylnaphthalene	LT .33	UGG V		
								91-58-7	2-Chloronaphthalene	LT .33	UGG V		
								91-94-1	3,3'-Dichlorobenzidine	LT .8	UGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	UGG V		
								95-50-1	1,2-Dichlorobenzene	LT .33	UGG V		
								95-57-8	2-Chlorophenol	LT .33	UGG V		
								95-95-4	2,4,5-Trichlorophenol	LT .8	UGG V		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT .33	UGG V		
								99-09-2	3-Nitroaniline	LT .8	UGG V		
									4-Bromophenyl phenyl ether	LT .33	UGG V		
									4-Chlorophenyl phenyl ether	LT .33	UGG V		
									Unknown compound 539	7	UGG VB		
									Unknown compound 548	.1	UGG V		
									Unknown compound 551	.1	UGG VB		
									Unknown compound 556	.1	UGG V		
									Unknown compound 606	.2	UGG VB		
									Unknown compound 614	.2	UGG VB		
									Unknown compound 615	.7	UGG VB		
									Unknown compound 623	5	UGG VB		
									Unknown compound 632	.3	UGG VBD		
									Unknown compound 637	.1	UGG VB		
									Unknown compound 660	1	UGG VB		
										.4	UGG V		

\*\* End of Report - 804 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

## GROUNDWATER

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW 15-JAN-97  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	DRO /W	7439-92-1	Diesel range organics	LT 100	UGL		
							GP81/W		Lead	LT 3	UGL		
							GRO /W		Gasoline range organics	LT 10	UGL		
							GSE1/W	7782-49-2	Selenium	LT 5	UGL		
							GTL1/W	7440-28-0	Thallium	LT 10	UGL		
							HGC1/W	7439-97-6	Mercury	LT .2	UGL		
							ICM1/W	7440-36-0	Antimony	LT 1	UGL		
								7440-38-2	Arsenic	LT 5	UGL		
								7440-41-7	Beryllium	LT 1	UGL		
								7440-43-9	Cadmium	LT 1	UGL		
							ICP2/W	7429-90-5	Aluminum	LT 200	UGL		
								7439-89-6	Iron	LT 100	UGL		
								7439-95-4	Magnesium	21800	UGL		
								7439-96-5	Manganese	LT 15	UGL		
								7440-02-0	Nickel	LT 40	UGL		
								7440-09-7	Potassium	LT 5000	UGL		
								7440-22-4	Silver	LT 10	UGL		
								7440-23-5	Sodium	62100	UGL		
								7440-39-3	Barium	LT 200	UGL		
								7440-47-3	Chromium	LT 10	UGL		
								7440-48-4	Cobalt	LT 50	UGL		
								7440-50-8	Copper	LT 25	UGL		
								7440-62-2	Vanadium	LT 50	UGL		
								7440-66-6	Zinc	LT 20	UGL		
							SHV1/W	7440-70-2	Calcium	80100	UGL		
								100-01-6	4-Nitroaniline	LT 25	UGL		
								100-02-7	4-Nitrophenol	LT 25	UGL		
								105-67-9	2,4-Dimethylphenol	LT 10	UGL		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL	52856-01	SMV1/M	131-11-3	Dimethyl phthalate	LT 10	UGL	---	---
								132-64-9	Dibenzofuran	LT 10	UGL	---	---
								191-24-2	Benzo[ghi]perylene	LT 10	UGL	---	---
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL	---	---
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT 10	UGL	---	---
								206-44-0	Fluoranthene	LT 10	UGL	---	---
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL	---	---
								208-96-8	Acenaphthylene	LT 10	UGL	---	---
								218-01-9	Chrysene	LT 10	UGL	---	---
								50-32-8	Benzo[a]pyrene	LT 10	UGL	---	---
								51-28-5	2,4-Dinitrophenol	LT 25	UGL	---	---
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL	---	---
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL	---	---
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL	---	---
								56-55-3	Benzo[a]anthracene	LT 10	UGL	---	---
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL	---	---
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL	---	---
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL	---	---
								67-72-1	Hexachloroethane	LT 10	UGL	---	---
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL	---	---
								78-59-1	Isophorone	LT 10	UGL	---	---
								83-32-9	Acenaphthene	LT 10	UGL	---	---
								84-66-2	Diethyl phthalate	LT 10	UGL	---	---
								84-74-2	Di-n-butyl phthalate	LT 10	UGL	---	---
								85-01-8	Phenanthrene	LT 10	UGL	---	---
								85-68-7	Butylbenzyl phthalate	LT 10	UGL	---	---
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL	---	---
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL	---	---
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL	---	---
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL	---	---
								87-86-5	Pentachlorophenol	LT 25	UGL	---	---
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL	---	---
								88-74-4	2-Nitroaniline	LT 25	UGL	---	---
								88-75-5	2-Nitrophenol	LT 10	UGL	---	---
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL	---	---
								91-57-6	2-Methylnaphthalene	LT 10	UGL	---	---
								91-58-7	2-Chloronaphthalene	LT 10	UGL	---	---
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL	---	---
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL	---	---

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals	
WELL	MW-03-01	WD30126X	26.0	04-DEC-96	RL	52856-01	SMV1/W	95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
									cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
									1,2-Dichloroethane	LT 1	UGL		
									108-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL	
									108-88-3	Toluene	LT 1	UGL	
									108-90-7	Chlorobenzene / Monochlorobenzene	LT 1	UGL	
									124-48-1	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL	
									127-18-4	Tetrachloroethylene / Perchloroethylen*	LT 1	UGL	
									540-59-0	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL	
									56-23-5	Carbon tetrachloride	LT 1	UGL	
									591-78-6	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL	
									67-64-1	Acetone	5.4	UGL	
	67-66-3	Chloroform	LT 1	UGL									
	71-43-2	Benzene	LT 1	UGL									
	71-55-6	1,1,1-Trichloroethane	LT 1	UGL									
	74-83-9	Bromomethane	LT 1	UGL									
	74-87-3	Chloromethane	LT 1	UGL									
	75-00-3	Chloroethane	LT 1	UGL									
	75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL	2								
	75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL									
	75-15-0	Carbon disulfide	LT 1	UGL									
	75-25-2	Bromoform	LT 1	UGL									
	75-27-4	Bromodichloromethane	LT 1	UGL									
	75-34-3	1,1-Dichloroethane	LT 1	UGL									
	75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL									
	78-87-5	Dichloroethene	LT 1	UGL									
	78-93-3	1,2-Dichloropropane	LT 1	UGL									
	79-00-5	Methyl ethyl ketone / 2-Butanone	LT 15	UGL									
		1,1,2-Trichloroethane	LT 1	UGL									

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-01	M030126X	26.0	04-DEC-96	RL 52856-01	VMS1/W	79-01-6	Trichloroethylene / Trichloroethene / Ethinyl trichloride / T*	LT 1	UGL		
							79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL		
								Xylenes, total combined	LT 1	UGL		
								trans-1,3-Dichloropropene	LT 1	UGL		
								Diesel range organics	250	UGL		
								Lead	LT 3	UGL		
								Gasoline range organics	LT 10	UGL		
								Selenium	LT 5	UGL		
								Thallium	LT 10	UGL		
								Mercury	LT .2	UGL		
								Antimony	LT 1	UGL		
								Arsenic	LT 5	UGL		
								Beryllium	LT 1	UGL		
								Cadmium	LT 1	UGL		
								Aluminum	6290	UGL		
								Iron	7070	UGL		
								Magnesium	14700	UGL		
								Manganese	183	UGL		
								Nickel	LT 40	UGL		
								Potassium	LT 5000	UGL		
								Silver	LT 10	UGL		
								Sodium	96500	UGL		
								Barium	LT 200	UGL		
								Chromium	LT 10	UGL		
								Cobalt	LT 50	UGL		
								Copper	LT 25	UGL		
								Vanadium	LT 50	UGL		
								Zinc	20.6	UGL		
								Calcium	51200	UGL		
								4-Nitroaniline	LT 25	UGL		
								4-Nitrophenol	LT 25	UGL		
								2,4-Dimethylphenol	LT 10	UGL		
								p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								1,4-Dichlorobenzene	LT 10	UGL		
								4-Chloroaniline	LT 10	UGL		
								Bis(2-chloroisopropyl) ether	LT 10	UGL		
								Phenol / Carboic acid / Phenic acid	LT 10	UGL		
								/ Phenyllc acid / Phe*	LT 10	UGL		
								Bis(2-chloroethyl) ether	LT 10	UGL		
								Bis(2-chloroethoxy) methane	LT 10	UGL		
								Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								Di-n-octyl phthalate	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	SMV1/W	118-74-1	Hexachlorobenzene	LT 10	UGL	-----	-----
								120-12-7	Anthracene	LT 10	UGL	-----	-----
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL	-----	-----
								120-83-2	2,4-Dichlorophenol	LT 10	UGL	-----	-----
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL	-----	-----
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL	-----	-----
								131-11-3	Dimethyl phthalate	LT 10	UGL	-----	-----
								132-64-9	Dibenzofuran	LT 10	UGL	-----	-----
								191-24-2	Benzo[ghi]perylene	LT 10	UGL	-----	-----
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL	-----	-----
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene	LT 10	UGL	-----	-----
								206-44-0	Fluoranthene	LT 10	UGL	-----	-----
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL	-----	-----
								208-96-8	Acenaphthylene	LT 10	UGL	-----	-----
								218-01-9	Chrysene	LT 10	UGL	-----	-----
								50-32-8	Benzo[a]pyrene	LT 10	UGL	-----	-----
								51-28-5	2,4-Dinitrophenol	LT 25	UGL	-----	-----
								53-70-3	Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene	LT 10	UGL	-----	-----
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL	-----	-----
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL	-----	-----
								56-55-3	Benzo[a]anthracene	LT 10	UGL	-----	-----
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL	-----	-----
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL	-----	-----
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL	-----	-----
								67-72-1	Hexachloroethane	LT 10	UGL	-----	-----
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL	-----	-----
								78-59-1	Isophorone	LT 10	UGL	-----	-----
								83-32-9	Acenaphthene	LT 10	UGL	-----	-----
								84-66-2	Diethyl phthalate	LT 10	UGL	-----	-----
								84-74-2	Di-n-butyl phthalate	LT 10	UGL	-----	-----
								85-01-8	Phenanthrene	LT 10	UGL	-----	-----
								85-68-7	Butylbenzyl phthalate	LT 10	UGL	-----	-----
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL	-----	-----
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL	-----	-----
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL	-----	-----
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL	-----	-----
								87-86-5	Pentachlorophenol	LT 25	UGL	-----	-----
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL	-----	-----
								88-74-4	2-Nitroaniline	LT 25	UGL	-----	-----

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MM-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	SMV1/W	88-75-5	2-Nitrophenol	LT 10	UGL	-----	-----
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL	-----	-----
								91-57-6	2-Methylnaphthalene	LT 10	UGL	-----	-----
								91-58-7	2-Chloronaphthalene	LT 10	UGL	-----	-----
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL	-----	-----
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL	-----	-----
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL	-----	-----
								95-57-8	2-Chlorophenol	LT 10	UGL	-----	-----
								95-95-4	2,4,5-Trichlorophenol	LT 10	UGL	-----	-----
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 25	UGL	-----	-----
								99-09-2	3-Nitroaniline	LT 10	UGL	-----	-----
									4-Bromophenyl phenyl ether	LT 10	UGL	-----	-----
									4-Chlorophenyl phenyl ether	LT 10	UGL	-----	-----
									Unknown compound 550	30	UGL	-----	-----
									Unknown compound 552	10	UGL	-----	-----
									Unknown compound 616	20	UGL	-----	-----
									Ethylbenzene	LT 1	UGL	-----	-----
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL	-----	-----
									cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL	-----	-----
									1,2-Dichloroethane	LT 1	UGL	-----	-----
									Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL	-----	-----
									Toluene	LT 1	UGL	-----	-----
									Chlorobenzene / Monochlorobenzene	LT 1	UGL	-----	-----
									Dibromochloromethane / Chlorodibromomethane	LT 1	UGL	-----	-----
									Tetrachloroethylene / Tetrachloroethene / Perchloroethylen*	LT 1	UGL	-----	-----
									1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL	-----	-----
									Carbon tetrachloride	LT 1	UGL	-----	-----
									Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL	-----	-----
									Acetone	LT 5	UGL	-----	-----
									Chloroform	LT 1	UGL	-----	-----
									Benzene	LT 1	UGL	-----	-----
									1,1,1-Trichloroethane	LT 1	UGL	-----	-----
									Bromomethane	LT 1	UGL	-----	-----
									Chloromethane	LT 1	UGL	-----	-----
									Chloroethane	LT 1	UGL	-----	-----
									Vinyl chloride / Chloroethene	LT 1	UGL	-----	-----
									Methylene chloride / Dichloromethane	LT 1	UGL	-----	-----

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation : Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Meas	Flag Codes	Data Quals	EPA Data Quals						
WELL	MW-03-02	M030222X	22.0	04-DEC-96	RL	52856-02	VMS1/W	75-15-0	Carbon disulfide	LT 1	UGL									
								75-25-2	Bromoform	LT 1	UGL									
								75-27-4	Bromodichloromethane	LT 1	UGL									
								75-34-3	1,1-Dichloroethane	LT 1	UGL									
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL									
								78-87-5	1,2-Dichloropropane	LT 1	UGL									
								78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL									
								79-00-5	1,1,2-Trichloroethane	LT 1	UGL									
								79-01-6	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL									
								79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL									
MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	DRO /W	GPB1/W	7439-92-1	Gasoline range organics	1	UGL									
								7782-49-2	Selenium	LT 1	UGL									
								7440-28-0	Thallium	LT 1	UGL									
								7439-97-6	Mercury	LT 10	UGL									
								7440-36-0	Antimony	LT .2	UGL									
								7440-38-2	Arsenic	LT 1	UGL									
								7440-41-7	Beryllium	LT 5	UGL									
								7440-43-9	Cadmium	LT 1	UGL									
								7429-90-5	Aluminum	LT 1	UGL									
								7439-89-6	Iron	2750	UGL									
								7439-95-4	Magnesium	1600	UGL									
								7439-96-5	Manganese	20300	UGL									
								7440-02-0	Nickel	144	UGL									
								7440-09-7	Potassium	LT 40	UGL									
								7440-22-4	Silver	LT 5000	UGL									
						SMV1/W						ICP2/W		7440-23-5	Sodium	LT 10	UGL			
														7440-39-3	Barium	LT 200	UGL			
														7440-47-3	Chromium	LT 10	UGL			
														7440-48-4	Cobalt	LT 50	UGL			
														7440-50-8	Copper	LT 25	UGL			
														7440-62-2	Vanadium	LT 50	UGL			
														7440-66-6	Zinc	LT 20	UGL			
														7440-70-2	Calcium	LT 20	UGL			
														100-01-6	4-Nitroaniline	76800	UGL			
														100-02-7	4-Nitrophenol	LT 25	UGL			
														105-67-9	2,4-Dimethylphenol	LT 10	UGL			

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	SMV1/W	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzofdefphenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		
								621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab No.	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	SNV1/W	85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		
								88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								100-41-4	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								100-42-5	1,2-Dichloroethane	LT 1	UGL		
								10061-01-5	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								107-06-2	Toluene	LT 1	UGL		
								108-10-1	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								108-88-3	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								108-90-7	Tetrachloroethylene / Tetrachloroethene / Perchloroethylen*	LT 1	UGL		
								124-48-1	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL		
								127-18-4	Carbon tetrachloride	LT 1	UGL		
								540-59-0	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL		
								56-23-5	Acetone	LT 5	UGL		
								591-78-6	Chloroform	LT 1	UGL		
								67-66-1		LT 5	UGL		
								67-66-3		LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-08-01	M080120X	20.0	03-DEC-96	RL	52856-03	VMS1/W	71-43-2	Benzene	LT 1	UGL		
								71-55-6	1,1,1-Trichloroethane	LT 1	UGL		
								74-83-9	Bromomethane	LT 1	UGL		
								74-87-3	Chloromethane	LT 1	UGL		
								75-00-3	Chloroethane	LT 1	UGL		
								75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL		
								75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL		
								75-15-0	Carbon disulfide	LT 1	UGL		
								75-25-2	Bromoform	LT 1	UGL		
								75-27-4	Bromodichloromethane	LT 1	UGL		
								75-34-3	1,1-Dichloroethane	LT 1	UGL		
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL		
								MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04
	Selenium	LT 5	UGL										
7782-49-2	Thallium	LT 10	UGL										
7440-28-0	Mercury	LT .2	UGL										
7439-97-6	Antimony	LT 1	UGL										
7440-36-0	Arsenic	LT 5	UGL										
7440-38-2	Beryllium	LT 1	UGL										
7440-41-7	Cadmium	LT 1	UGL										
7440-43-9	Aluminum	LT 1	UGL										
7429-90-5	Iron	LT 200	UGL										
7439-89-6	Magnesium	LT 100	UGL										
7439-95-4	Manganese	34000	UGL										
7439-96-5	Manganese	LT 15	UGL										
7440-02-0	Nickel	LT 40	UGL										
7440-09-7	Potassium	LT 5000	UGL										
7440-22-4	Silver	LT 10	UGL										
7440-23-5	Sodium	56200	UGL										
7440-39-3	Barium	LT 200	UGL										
7440-47-3	Chromium	LT 10	UGL										
7440-48-4	Cobalt	LT 50	UGL										

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	ICP2/W	7440-50-8	Copper	LT 25	UGL		
								7440-62-2	Vanadium	LT 50	UGL		
								7440-66-6	Zinc	LT 20	UGL		
								7440-70-2	Calcium	89500	UGL		
							SMV1/W	100-01-6	4-Nitroaniline	LT 25	UGL		
								100-02-7	4-Nitrophenol	LT 25	UGL		
								105-67-9	2,4-Dimethylphenol	LT 10	UGL		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL		
								106-47-8	4-Chloroaniline	LT 10	UGL		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL		
								108-95-2	Phenol / Carbolic acid / Phenic acid / Phenylc acid / Phe*	LT 10	UGL		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL		
								118-74-1	Hexachlorobenzene	LT 10	UGL		
								120-12-7	Anthracene	LT 10	UGL		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL		
								129-00-0	Benzo[def]phenanthrene / Pyrene	LT 10	UGL		
								131-11-3	Dimethyl phthalate	LT 10	UGL		
								132-64-9	Dibenzofuran	LT 10	UGL		
								191-24-2	Benzo[ghi]perylene	LT 10	UGL		
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT 10	UGL		
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT 10	UGL		
								206-44-0	Fluoranthene	LT 10	UGL		
								207-08-9	Benzo[k]fluoranthene	LT 10	UGL		
								208-96-8	Acenaphthylene	LT 10	UGL		
								218-01-9	Chrysene	LT 10	UGL		
								50-32-8	Benzo[a]pyrene	LT 10	UGL		
								51-28-5	2,4-Dinitrophenol	LT 25	UGL		
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT 10	UGL		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT 25	UGL		
								541-73-1	1,3-Dichlorobenzene	LT 10	UGL		
								56-55-3	Benzo[a]anthracene	LT 10	UGL		
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT 10	UGL		
								606-20-2	2,6-Dinitrotoluene	LT 10	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MM-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	SHV1/M	621-64-7	N-Nitrosodi-n-propylamine	LT 10	UGL		
								67-72-1	Hexachloroethane	LT 10	UGL		
								77-47-4	Hexachlorocyclopentadiene	LT 10	UGL		
								78-59-1	Isophorone	LT 10	UGL		
								83-32-9	Acenaphthene	LT 10	UGL		
								84-66-2	Diethyl phthalate	LT 10	UGL		
								84-74-2	Di-n-butyl phthalate	LT 10	UGL		
								85-01-8	Phenanthrene	LT 10	UGL		
								85-68-7	Butylbenzyl phthalate	LT 10	UGL		
								86-30-6	N-Nitrosodiphenylamine	LT 10	UGL		
								86-73-7	Fluorene / 9H-Fluorene	LT 10	UGL		
								86-74-8	Carbazole / 9H-Carbazole	LT 10	UGL		
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT 10	UGL		
								87-86-5	Pentachlorophenol	LT 25	UGL		
								88-06-2	2,4,6-Trichlorophenol	LT 10	UGL		
								88-74-4	2-Nitroaniline	LT 25	UGL		
								88-75-5	2-Nitrophenol	LT 10	UGL		
								91-20-3	Naphthalene / Tar camphor	LT 10	UGL		
								91-57-6	2-Methylnaphthalene	LT 10	UGL		
								91-58-7	2-Chloronaphthalene	LT 10	UGL		
								91-94-1	3,3'-Dichlorobenzidine	LT 10	UGL		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT 10	UGL		
								95-50-1	1,2-Dichlorobenzene	LT 10	UGL		
								95-57-8	2-Chlorophenol	LT 10	UGL		
								95-95-4	2,4,5-Trichlorophenol	LT 25	UGL		
								98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL		
								99-09-2	3-Nitroaniline	LT 25	UGL		
									4-Bromophenyl phenyl ether	LT 10	UGL		
									4-Chlorophenyl phenyl ether	LT 10	UGL		
									Ethylbenzene	LT 1	UGL		
									Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL		
								100-41-4	cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL		
								100-42-5	1,2-Dichloroethane	LT 1	UGL		
								1061-01-5	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL		
								107-06-2	Toluene	LT 1	UGL		
								108-10-1	Chlorobenzene / Monochlorobenzene	LT 1	UGL		
								108-88-3	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL		
								108-90-7		LT 1	UGL		
								124-48-1		LT 1	UGL		
								127-18-4		LT 1	UGL		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	MW-09-01	M090113X	13.0	04-DEC-96	RL	52856-04	VMS1/W	127-18-4	Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL	---	---
								540-59-0	Carbon tetrachloride	LT 1	UGL	---	---
								56-23-5	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL	---	---
								591-78-6	Acetone	LT 5	UGL	---	---
								67-66-3	Chloroform	LT 1	UGL	---	---
								71-43-2	Benzene	LT 1	UGL	---	---
								71-55-6	1,1,1-Trichloroethane	LT 1	UGL	---	---
								74-83-9	Bromomethane	LT 1	UGL	---	---
								74-87-3	Chloromethane	LT 1	UGL	---	---
								75-00-3	Chloroethane	LT 1	UGL	---	---
								75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL	---	---
								75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL	---	---
								75-15-0	Carbon disulfide	LT 1	UGL	---	---
								75-25-2	Bromoform	LT 1	UGL	---	---
								75-27-4	Bromodichloromethane	LT 1	UGL	---	---
								75-34-3	1,1-Dichloroethane	LT 1	UGL	---	---
								75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL	---	---
								78-87-5	1,2-Dichloropropane	LT 1	UGL	---	---
								78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL	---	---
								79-00-5	1,1,2-Trichloroethane	LT 1	UGL	---	---
								79-01-6	Trichloroethylene / Trichloroethene / Ethinyl trichloride / T*	LT 1	UGL	---	---
								79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL	---	---
									Xylenes, total combined	LT 1	UGL	---	---
									trans-1,3-Dichloropropene	LT 1	UGL	---	---

\*\* End of Report - 493 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOURCE WATER DATA**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WW#2	WW#2	0.0	14-NOV-96	RL 52614-01		DRO /W	7439-92-1	Diesel range organics	LT 100	UGL V		
							GP81/W		Lead	LT 3	UGL V		
							GRO /W		Gasoline range organics	LT 10	UGL V		
							GSE1/W	7782-49-2	Selenium	LT 5	UGL V		
							GTL1/W	7440-28-0	Thallium	LT 10	UGL V		
							HGC1/W	7439-97-6	Mercury	LT .2	UGL V		
							ICH1/W	7440-36-0	Antimony	LT 1	UGL V		
								7440-38-2	Arsenic	LT 5	UGL V		
								7440-41-7	Beryllium	LT 1	UGL V		
								7440-43-9	Cadmium	LT 1	UGL V		
							ICP2/W	7429-90-5	Aluminum	LT 200	UGL V		
								7439-89-6	Iron	LT 100	UGL V		
								7439-95-4	Magnesium	22100	UGL V		
								7439-96-5	Manganese	LT 15	UGL V		
								7440-02-0	Nickel	LT 40	UGL V		
								7440-09-7	Potassium	LT 5000	UGL V		
								7440-22-4	Silver	LT 10	UGL V		
								7440-23-5	Sodium	63000	UGL V		
								7440-39-3	Barium	LT 200	UGL V		
								7440-47-3	Chromium	LT 10	UGL V		
								7440-48-4	Cobalt	LT 50	UGL V		
								7440-50-8	Copper	LT 25	UGL V		
								7440-62-2	Vanadium	LT 50	UGL V		
								7440-66-6	Zinc	LT 20	UGL V		
							SMV1/W	7440-70-2	Calcium	79800	UGL V		
								100-01-6	4-Nitroaniline	LT 25	UGL V		
								100-02-7	4-Nitrophenol	LT 25	UGL V		
								105-67-9	2,4-Dimethylphenol	LT 10	UGL V		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10	UGL V		
								106-46-7	1,4-Dichlorobenzene	LT 10	UGL V		
								106-47-8	4-Chloroaniline	LT 10	UGL V		
								108-60-1	Bis(2-chloroisopropyl) ether	LT 10	UGL V		
								108-95-2	Phenol / Carbolic acid / Phenic acid / Phenyllic acid / Phe*	LT 10	UGL V		
								111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL V		
								111-91-1	Bis(2-chloroethoxy) methane	LT 10	UGL V		
								117-81-7	Bis(2-ethylhexyl) phthalate	LT 35	UGL V		
								117-84-0	Di-n-octyl phthalate	LT 10	UGL V		
								118-74-1	Hexachlorobenzene	LT 10	UGL V		
								120-12-7	Anthracene	LT 10	UGL V		
								120-82-1	1,2,4-Trichlorobenzene	LT 10	UGL V		
								120-83-2	2,4-Dichlorophenol	LT 10	UGL V		
								121-14-2	2,4-Dinitrotoluene	LT 10	UGL V		
								129-00-0	Benzofdef]phenanthrene / Pyrene	LT 10	UGL V		

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly.	Lab	Meth/ Matrix	CAS No.	Analyte Description	Me Bo	Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WM#2	WM#2	0.0	14-NOV-96	RL	52614-01	SMV1/W	131-11-3	Dimethyl phthalate	LT	10	UGL	V	
								132-64-9	Dibenzofuran	LT	10	UGL	V	
								191-24-2	Benzo[ghi]perylene	LT	10	UGL	V	
								193-39-5	Indeno[1,2,3-C,D]pyrene	LT	10	UGL	V	
								205-99-2	Benzo[b]fluoranthene / 3,4-Benzofluoranthene	LT	10	UGL	V	
								206-44-0	Fluoranthene	LT	10	UGL	V	
								207-08-9	Benzo[k]fluoranthene	LT	10	UGL	V	
								208-96-8	Acenaphthylene	LT	10	UGL	V	
								218-01-9	Chrysene	LT	10	UGL	V	
								50-32-8	Benzo[a]pyrene	LT	10	UGL	V	
								51-28-5	2,4-Dinitrophenol	LT	10	UGL	V	
								53-70-3	Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene	LT	25	UGL	V	
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol	LT	10	UGL	V	
								541-73-1	1,3-Dichlorobenzene	LT	10	UGL	V	
								56-55-3	Benzo[a]anthracene	LT	10	UGL	V	
								59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*	LT	10	UGL	V	
								606-20-2	2,6-Dinitrotoluene	LT	10	UGL	V	
								621-64-7	N-Nitrosodi-n-propylamine	LT	10	UGL	V	
								67-72-1	Hexachloroethane	LT	10	UGL	V	
								77-47-4	Hexachlorocyclopentadiene	LT	10	UGL	V	
								78-59-1	Isophorone	LT	10	UGL	V	
								83-32-9	Acenaphthene	LT	10	UGL	V	
								84-66-2	Diethyl phthalate	LT	10	UGL	V	
								84-74-2	Di-n-butyl phthalate	LT	10	UGL	V	
								85-01-8	Phenanthrene	LT	10	UGL	V	
								85-68-7	Butylbenzyl phthalate	LT	10	UGL	V	
								86-30-6	N-Nitrosodiphenylamine	LT	10	UGL	V	
								86-73-7	Fluorene / 9H-Fluorene	LT	10	UGL	V	
								86-74-8	Carbazole / 9H-Carbazole	LT	10	UGL	V	
								87-68-3	Hexachlorobutadiene / Hexachloro-1,3-butadiene	LT	10	UGL	V	
								87-86-5	Pentachlorophenol	LT	25	UGL	V	
								88-06-2	2,4,6-Trichlorophenol	LT	10	UGL	V	
								88-74-4	2-Nitroaniline	LT	25	UGL	V	
								88-75-5	2-Nitrophenol	LT	10	UGL	V	
								91-20-3	Naphthalene / Tar camphor	LT	10	UGL	V	
								91-57-6	2-Methylnaphthalene	LT	10	UGL	V	
								91-58-7	2-Chloronaphthalene	LT	10	UGL	V	
								91-94-1	3,3'-Dichlorobenzidine	LT	10	UGL	V	
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT	10	UGL	V	

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CGW  
Sampling Date Range: 01-JAN-75 28-JAN-97

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab Anly. No.	Lab Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WW#2	WW#2	0.0	14-NOV-96	RL	52614-01	SHV1/W					
							95-50-1	1,2-Dichlorobenzene	LT 10	UGL V		
							95-57-8	2-Chlorophenol	LT 10	UGL V		
							95-95-4	2,4,5-Trichlorophenol	LT 25	UGL V		
							98-95-3	Nitrobenzene / Essence of mirbane / Oil of mirbane	LT 10	UGL V		
							99-09-2	3-Nitroaniline				
								4-Bromophenyl phenyl ether	LT 25	UGL V		
								4-Chlorophenyl phenyl ether	LT 10	UGL V		
						VMS1/W	100-41-4	Ethylbenzene	LT 10	UGL V		
							100-42-5	Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *	LT 1	UGL V		
								cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene	LT 1	UGL V		
							107-06-2	1,2-Dichloroethane	LT 1	UGL V		
							108-10-1	Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*	LT 5	UGL V		
							108-88-3	Toluene	LT 1	UGL V		
							108-90-7	Chlorobenzene / Monochlorobenzene	LT 1	UGL V		
							124-48-1	Dibromochloromethane / Chlorodibromomethane	LT 1	UGL V		
							127-18-4	Tetrachloroethylene / Perchloroethylen*	LT 1	UGL V		
							540-59-0	1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *	LT 1	UGL V		
							56-23-5	Carbon tetrachloride	LT 1	UGL V		
							591-78-6	Methyl n-butyl ketone / 2-Hexanone	LT 5	UGL V		
							67-64-1	Acetone	LT 5	UGL V		
							67-66-3	Chloroform	LT 1	UGL V		
							71-43-2	Benzene	LT 1	UGL V		
							71-55-6	1,1,1-Trichloroethane	LT 1	UGL V		
							74-87-3	Bromomethane	LT 1	UGL V		
							74-83-9	Chloromethane	LT 1	UGL V		
							75-00-3	Chloroethane	LT 1	UGL V		
							75-01-4	Vinyl chloride / Chloroethene	LT 1	UGL V		
							75-09-2	Methylene chloride / Dichloromethane	LT 1	UGL V		
							75-15-0	Carbon disulfide	LT 1	UGL V		
							75-25-2	Bromoform	LT 1	UGL V		
							75-27-4	Bromodichloromethane	LT 1	UGL V		
							75-34-3	1,1-Dichloroethane	LT 1	UGL V		
							75-35-4	1,1-Dichloroethylene / 1,1-Dichloroethene	LT 1	UGL V		
							78-87-5	1,2-Dichloropropane	LT 1	UGL V		
							78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	UGL V		
							79-00-5	1,1,2-Trichloroethane	LT 1	UGL V		

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:02

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
WELL	WM#2	WM#2	0.0	14-NOV-96	RL	52614-01	VMS1/W	79-01-6	Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*	LT 1	UGL V		
								79-34-5	Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *	LT 1	UGL V		
									Xylenes, total combined	LT 1	UGL V		
									trans-1,3-Dichloropropene	LT 1	UGL V		

\*\* End of Report - 122 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary



**IRDMIS FLAGGING CODES AND DATA QUALIFIERS**

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS Record		IRDMIS Data Base	
Record Type	Column(s)	DB Table(s)	DB Column
*	132	chem/cqc	flag_codes
	133		
	134		
	135		
	136		
	137		
	138		
	139	flag_qual_desc	f_q_code

\* Any valid chemical or radiological record type

### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Flagging Codes per record  
 flag\_qual\_desc: 1 Flagging Code per record

### ELEMENT DESCRIPTION:

Code assigned by the Laboratory to indicate other-than-usual analytical conditions or results.

### ACCEPTABLE CRITERIA:

NOTE: Flagging Codes marked with \* were changed effective 1 February 1993!  
 Flagging Codes marked with \*\* were changed effective with the introduction of Version 5.2 of the IRDMIS Data Entry and Validation Subsystem (PC IRDMIS) software!

- \* A Analyte found in trip blank as well as in field samples. The analyte was detected in the field sample and the trip blank for the same cooler. To be used for volatiles only.
- B Analyte found in the method blank or QC blank as well as the sample. This Code is to be used when an analyte was detected and quantitated at higher-than-normal background levels. For metals in soil, the following rules must be followed:
  - (1) If the analyte is detected in the method blank, both the field and QC samples are to be flagged.
  - (2) If the analyte is detected in the QC blank, only the QC samples are to be flagged.
- C Analysis was confirmed. This Code is to be used when a confirmation analysis bears out the reported result (if it is above the CRL or MDL). The confirmation analysis must use a different column or analytical technique.
- D Duplicate analysis. This Code is used to distinguish analytical results when duplicate analyses are required. Flag only the second (duplicate) sample.

## ACCEPTABLE CRITERIA: (CONT.)

- E No longer in use.
- F Sample filtered prior to analysis. This Code is to be used when results of filtered samples are to be differentiated from non-filtered samples. This Code is also to be used when filtering of samples (as a first step in the sample preparation) is a deviation from the approved method SOP. This Code may be used to indicate both field and laboratory filtering. It is not to be used when filtering the extract is the normal procedure.
- \* G Analyte found in rinse blank as well as field sample. The analyte was detected in the field sample as well as that day's rinse blank for the same equipment type.
- \*\* H No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* I Interferences in sample cause the quantitation and/or identification to be suspect. This Code is to be used when matrix interferences may mask detection of the target analyte. Must always be used with Flagging Code J.
- \* \*\* J Value is estimated because of one of the following conditions:
- Interferences in the sample (use Flagging Codes J and I)  
or  
The value is below the method detection level but above the instrumental detection level (use Flagging Codes J and P)  
or  
The value is above the upper reporting level of the method (use Flagging Codes J and X).
- This Code must always be used with Flagging Code I, P, or X. Both the J and I and the J and X combinations may be used both for methods demonstrated under the 1990 QA Program and for methods validated under the 1993 QA Guidelines. The J and P combination is only to be used for methods validated under the 1993 QA Guidelines.
- \* K Reported results affected by interferences or high background. This Code is to be used when analyte levels at or near the CRL or MDL cannot be accurately quantified down to the CRL/MDL due to interferences. This Code will allow a laboratory to input a higher CRL/MDL, rather than defaulting to the Methods data base. (Formerly Flagging Code G)
- \* \*\* L No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* M No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* N Tentatively identified compound (result of a GC/MS library search) with a match greater than 70%. To be used when specified in the contract/task order.

## ACCEPTABLE CRITERIA: (CONT.)

- \* O No longer in use.
- \* P Value is less than the method reporting level but greater than the instrumental detection limit. This Code must always be used with J. This Code is only to be used for methods validated under the 1993 QA Guidelines.
- \* Q Confirmatory analysis was performed; however, sample interference obscured the area where the peak of interest would have appeared. To be used when the peak of interest fell within the retention-time window on the primary column, but the retention-time window on the secondary column was masked by interferences.
- R Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. To be used when specified in the contract/task order.
- S Non-target compound analyzed for and detected. This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. Also used to report tentatively identified compounds which are quantitated against an internal standard. To be used when specified in the contract/task order.
- T Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- U Analysis is unconfirmed. This Code is to be used when a confirmatory analysis was performed but does not verify the analytical results from the initial analysis.
- V Sample was subjected to unusual storage/preservation condition. To be used when samples are received at the laboratory at greater than 4° C, or were not correctly preserved in the field.
- W Single analyte required from a multi-analyte method. This Code is to be used when field samples are to be analyzed for a subset of the demonstrated/validated analytes.
- \*\* X Analyte concentration is above the upper reporting level. This Flagging Code is to be used when analyte concentrations exceed the upper reporting level and the laboratory feels that additional dilutions are not warranted. This Code is also to be used when no sample or extract remains to make additional dilutions. It must also be used whenever a Boolean of GT is used.
- \* Y Tentatively identified compound (result of a GC/MS library search) with a match of less than 70%, but peak area is greater than 35% of the internal standard. To be used when specified in the contract/task order.

**ACCEPTABLE CRITERIA: (CONT.)**

- \* Z Non-target compound analyzed for and detected. This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- \* 1 Result less than the CRL but greater than the Criteria of Detection (COD). Can only be used for methods which were performance demonstrated under the 1990 QA Program.
- \* 2 Ending calibration not within acceptable limits. This Code is to be used for an analyte for which the ending calibration is still unacceptable after multiple attempts.
- \* 3 Internal standard(s) not within acceptable limits.
- \* \*\* 4 Analyte quantitated on the secondary column, when this is not the normal practice.
- \* \*\* 7 No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* 8 Analyte recovery outside of certified range but within acceptable limits. This Flagging Code is to be used when analyte recoveries exceed the upper limit of the certified range by less than 15% and the laboratory feels a dilution is not warranted. No longer in use after introduction of Version 5.2 of PC IRDMIS (formerly Flagging Code X).
- \*\* 9 Non-demonstrated/validated method performed for USAEC. This Code is to be used to identify Method 00 or NTAM data which was produced under contract to USAEC.

**ACCEPTABLE ENTRIES:**

- A Analyte found in trip blank as well as in field samples.
- B Analyte found in the method blank or QC blank as well as the sample.
- C Analysis was confirmed.
- D Duplicate analysis.
- F Sample filtered prior to analysis.
- G Analyte found in rinse blank as well as field sample.
- I Interferences in sample make quantitation and/or identification to be suspect.
- J Value is estimated.
- K Reported results are affected by interferences or high background.
- N Tentatively identified compound (match greater than 70%).
- P Results less than reporting level but greater than instrumental detection limit.
- Q Sample interference obscured peak of interest.
- R Non-target compound analyzed for but not detected (GC/MS methods).
- S Non-target compound analyzed for and detected (GC/MS methods).
- T Non-target compound analyzed for but not detected (non-GC/MS methods).
- U Analysis is unconfirmed.
- V Sample subjected to unusual storage/preservation conditions.

## ACCEPTABLE ENTRIES: (CONT.)

- W Single analyte required from a multi-analyte method.
- X Analyte concentration is above the upper reporting level.
- Y Tentatively identified compound (match less than 70%).
- Z Non-target compound analyzed for and detected (non-GC/MS methods).
- 1 Result less than CRL but greater than COD.
- 2 Ending calibration not within acceptable limits.
- 3 Internal standard(s) not within acceptable limits.
- 4 Analyte quantitated on the secondary column.
- 9 Non-demonstrated/validated method performed for USAEC.

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS Record		IRDMIS Data Base	
Record Type	Column(s)	DB Table(s)	DB Column
•	140	chem/cqc	data_qualis
	141		
	142		
	143		
	144		
	145		
	146		
	147		
		flag_qualis_desc	f_q_code

• Any valid chemical or radiological record type

### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Data Qualifiers per record  
 flag\_qualis\_desc: 1 Data Qualifier per record

### ELEMENT DESCRIPTION:

Code assigned only by the USAEC Chemist to indicate data acceptance or rejection based on other-than-usual analytical conditions or results.

### ACCEPTABLE CRITERIA:

- ? Control chart either not received or not yet approved by USAEC. This Qualifier is automatically set when a lot file has been loaded but the corresponding control chart has not been approved.
- I The low-spike recovery is high. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- J The low-spike recovery is low. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- K Missed holding times for extraction and preparation (Hold Time 1). This Qualifier is automatically set when the extraction/preparation holding time is exceeded. (Formerly Flagging Code K)
- L Missed holding time for sample analysis (Hold Time or Hold Time 2). This Qualifier is automatically set when the analytical holding time is exceeded. (Formerly Flagging Code L)
- M The high-spike recovery is high. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.

**ACCEPTABLE CRITERIA: (CONT.)**

- N The high-spike recovery is low. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.
- O Low spike recoveries excessively different. To be used only for the duplicate low spikes in Class 1P methods.
- P High spike recoveries excessively different. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the duplicate spikes in Class 1M methods.
- Q Surrogate(s) in field sample outside of acceptable limits as specified by EPA CLP. To be followed by number of surrogates failing criteria (1 - 9). To be used only for field samples. **(Formerly Flagging Code Q)**
- R Data is rejected and is not usable.

**ACCEPTABLE ENTRIES:**

- ? Control chart not yet approved by USAEC.
- 1-9 Number of surrogates failing EPA CLP criteria (used with Data Qualifier Q)
- I The low-spike recovery is high.
- J The low-spike recovery is low.
- K Missed holding time for extraction and preparation.
- L Missed holding time for sample analysis.
- M The high-spike recovery is high.
- N The high-spike recovery is low.
- O Low spike recoveries excessively different.
- P High spike recoveries excessively different.
- Q Surrogate recovery outside of acceptable CLP limits (field samples only).
- R Data is rejected.





**QC SAMPLE RESULTS FROM IRDMIS**

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**ABB Environmental Services, Inc.**

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		DRO	DRO	DRAB	25-NOV-96	09-DEC-96	<	4 UGG
ABB-ES		GPB1	PB	PSDQ	16-DEC-96	17-DEC-96		1.12 UGG
ABB-ES		GRO	GRO	GRAB	22-NOV-96	22-NOV-96	<	.5 UGG
ABB-ES		GSE1	SE	SSDQ	16-DEC-96	17-DEC-96	<	1 UGG
ABB-ES		GTL1	TL	TSDQ	16-DEC-96	17-DEC-96	<	2 UGG
ABB-ES		HGC1	HG	HSDH	11-DEC-96	11-DEC-96	<	.2 UGG
ABB-ES		ICM1	AS	WSCK	13-DEC-96	19-DEC-96	<	1 UGG
ABB-ES			BE	WSCK	13-DEC-96	19-DEC-96	<	.2 UGG
ABB-ES			CD	WSCK	13-DEC-96	19-DEC-96	<	.2 UGG
ABB-ES			SB	WSCK	13-DEC-96	19-DEC-96	<	.2 UGG
ABB-ES		ICP1	AG	ISCV	23-DEC-96	26-DEC-96	<	2 UGG
ABB-ES			AL	ISCV	23-DEC-96	26-DEC-96	<	628 UGG
ABB-ES			AL	ISCV	23-DEC-96	26-DEC-96	<	613 UGG
ABB-ES			AL	ISCV	23-DEC-96	26-DEC-96	<	480 UGG
ABB-ES			AL	ISCV	23-DEC-96	26-DEC-96	<	433 UGG
ABB-ES			BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES			BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES			BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES			BA	ISCV	23-DEC-96	26-DEC-96	<	40 UGG
ABB-ES			CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES			CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES			CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES			CA	ISCV	23-DEC-96	26-DEC-96	<	1000 UGG
ABB-ES			CO	ISCV	23-DEC-96	26-DEC-96	<	10 UGG
ABB-ES			CR	ISCV	23-DEC-96	26-DEC-96	<	3 UGG
ABB-ES			CU	ISCV	23-DEC-96	26-DEC-96	<	5 UGG
ABB-ES			FE	ISCV	23-DEC-96	26-DEC-96	<	1060 UGG
ABB-ES			FE	ISCV	23-DEC-96	26-DEC-96	<	1050 UGG

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		ICP1	FE	ISCV	23-DEC-96	26-DEC-96	1030	UGG
ABB-ES			FE	ISCV	23-DEC-96	26-DEC-96	758	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			K	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MG	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			MN	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NA	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			NI	ISCV	23-DEC-96	26-DEC-96	1000	UGG
ABB-ES			V	ISCV	23-DEC-96	26-DEC-96	8	UGG
ABB-ES			ZN	ISCV	23-DEC-96	26-DEC-96	10	UGG
ABB-ES				ISCV	23-DEC-96	26-DEC-96	4	UGG
ABB-ES		SNV2	12DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			12DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			13DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			13DCLB	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			245TCP	BSBS	25-NOV-96	16-DEC-96	.8	UGG
ABB-ES			245TCP	BSBS	25-NOV-96	16-DEC-96	.8	UGG
ABB-ES			246TCP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			246TCP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DCLP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DCLP	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DMPN	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES			24DMPN	BSBS	25-NOV-96	16-DEC-96	.33	UGG
ABB-ES				BSBS	25-NOV-96	16-DEC-96	.8	UGG

## METHOD BLANKS (SOIL)

**IRDMIS**

Contractor	Method Description	Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV2	24QNP	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			26QNT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			26QNT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2CNAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2CNAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NMAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NMAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NMAP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			2NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			2NP	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			33DCBD	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			33DCBD	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			3NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			3NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			46QNZC	BSBS	25-NOV-96	16-DEC-96	<	1 UGG
ABB-ES			46QNZC	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4BRPPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4BRPPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4CAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4CAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4CLPPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4CLPPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4WP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			4WP	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			4NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.8 UGG
ABB-ES			4NAN1L	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES		ANAPYL	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES		ANAPYL	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES		ANTRC	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES		ANTRC	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES		B2CEXM	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	
ABB-ES		B2CEXM	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG	

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV2	B2CIPE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2CIEE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2CIEE	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2EMP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			B2EMP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAANTR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAANTR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAPYR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BAPYR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBFANT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBFANT	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBZP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BBZP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			BGHIPT	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			BGHIPT	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			BKFANT	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			BKFANT	BSBS	25-NOV-96	16-DEC-96	<	.5 UGG
ABB-ES			CARBZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CARBZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CHRY	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CHRY	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6BZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6BZ	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6CP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6CP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6ET	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			CL6ET	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DBANA	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			DBANA	BSBS	25-NOV-96	16-DEC-96	<	.6 UGG
ABB-ES			DBZFLR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DBZFLR	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DEP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DEP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG
ABB-ES			DMP	BSBS	25-NOV-96	16-DEC-96	<	.33 UGG

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	SWV2	DMP	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		DNP	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		DNP	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		DNOP	BSBS	25-NOV-96	16-DEC-96	<	.5	UGG
ABB-ES		DNOP	BSBS	25-NOV-96	16-DEC-96	<	.5	UGG
ABB-ES		FANT	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		FANT	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		FLRENE	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		FLRENE	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		HCBD	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		HCBD	BSBS	25-NOV-96	16-DEC-96	<	.5	UGG
ABB-ES		ICDPYR	BSBS	25-NOV-96	16-DEC-96	<	.5	UGG
ABB-ES		ICDPYR	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		ISOPHR	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		ISOPHR	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		NAP	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		NAP	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		NB	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		NB	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		NNDPA	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		NNDPA	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		PHANTR	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		PHANTR	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		UNK339	BSBS	25-NOV-96	16-DEC-96	<	.33	UGG
ABB-ES		UNK339	BSBS	25-NOV-96	16-DEC-96	<	2	UGG
ABB-ES		UNK606	BSBS	25-NOV-96	16-DEC-96	<	.1	UGG
ABB-ES		UNK606	BSBS	25-NOV-96	16-DEC-96	<	.1	UGG
ABB-ES		UNK614	BSBS	25-NOV-96	16-DEC-96	<	.09	UGG
ABB-ES		UNK614	BSBS	25-NOV-96	16-DEC-96	<	.4	UGG
ABB-ES		UNK615	BSBS	25-NOV-96	16-DEC-96	<	.4	UGG
ABB-ES		UNK615	BSBS	25-NOV-96	16-DEC-96	<	.4	UGG
ABB-ES		UNK623	BSBS	25-NOV-96	16-DEC-96	<	7	UGG
ABB-ES		UNK623	BSBS	25-NOV-96	16-DEC-96	<	5	UGG
ABB-ES		UNK623	BSBS	25-NOV-96	16-DEC-96	<	.4	UGG
ABB-ES		UNK623	BSBS	25-NOV-96	16-DEC-96	<	.3	UGG

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SNV2	UNK630	BSBS	25-NOV-96	16-DEC-96	.1	UGG
ABB-ES			UNK630	BSBS	25-NOV-96	16-DEC-96	.07	UGG
ABB-ES			UNK632	BSBS	25-NOV-96	16-DEC-96	.07	UGG
ABB-ES			UNK637	BSBS	25-NOV-96	16-DEC-96	.9	UGG
ABB-ES			UNK637	BSBS	25-NOV-96	16-DEC-96	.7	UGG
ABB-ES		DRO	DRO	DRAC	25-NOV-96	26-NOV-96	100	UGL
ABB-ES			DRO	DRAD	09-DEC-96	10-DEC-96	100	UGL
ABB-ES		GP81	P8	PAUF	10-DEC-96	11-DEC-96	3	UGL
ABB-ES			P8	PADG	11-DEC-96	12-DEC-96	3	UGL
ABB-ES		GRO	GRO	GRAC	21-NOV-96	21-NOV-96	10	UGL
ABB-ES			GRO	GRAD	06-DEC-96	06-DEC-96	10	UGL
ABB-ES		GSE1	SE	SADF	10-DEC-96	11-DEC-96	5	UGL
ABB-ES			SE	SADG	11-DEC-96	12-DEC-96	5	UGL
ABB-ES		GTL1	TL	TADF	10-DEC-96	11-DEC-96	10	UGL
ABB-ES			TL	TADG	11-DEC-96	12-DEC-96	10	UGL
ABB-ES		HGC1	HG	HACQ	09-DEC-96	10-DEC-96	.2	UGL
ABB-ES			HG	HACR	09-DEC-96	10-DEC-96	.2	UGL
ABB-ES		ICM1	AS	WABL	10-DEC-96	17-DEC-96	5	UGL
ABB-ES			AS	WABM	11-DEC-96	17-DEC-96	5	UGL
ABB-ES			BE	WABL	10-DEC-96	17-DEC-96	1	UGL
ABB-ES			BE	WABM	11-DEC-96	17-DEC-96	1	UGL
ABB-ES			CD	WABL	10-DEC-96	17-DEC-96	1	UGL
ABB-ES			CD	WABM	11-DEC-96	17-DEC-96	1	UGL
ABB-ES			SB	WABL	10-DEC-96	17-DEC-96	1	UGL
ABB-ES			SB	WABM	11-DEC-96	17-DEC-96	1	UGL
ABB-ES		ICP2	AG	IADK	10-DEC-96	12-DEC-96	10	UGL
ABB-ES			AG	IADL	11-DEC-96	12-DEC-96	10	UGL



Table: Appendix K

## METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		ICP2	AL	IADK	10-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			AL	IADL	11-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			BA	IADK	10-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			BA	IADL	11-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			CA	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			CA	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			CO	IADK	10-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			CO	IADL	11-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			CR	IADK	10-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			CR	IADL	11-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			CU	IADK	10-DEC-96	12-DEC-96	<	25 UGL
ABB-ES			CU	IADL	11-DEC-96	12-DEC-96	<	25 UGL
ABB-ES			FE	IADK	10-DEC-96	12-DEC-96	<	100 UGL
ABB-ES			FE	IADL	11-DEC-96	12-DEC-96	<	100 UGL
ABB-ES			K	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			K	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			MG	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			MG	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			MN	IADK	10-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			MN	IADL	11-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			NA	IADK	10-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			NA	IADL	11-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			NI	IADK	10-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			NI	IADL	11-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			V	IADK	10-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			V	IADL	11-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			ZN	IADK	10-DEC-96	12-DEC-96	<	20 UGL
ABB-ES			ZN	IADL	11-DEC-96	12-DEC-96	<	20 UGL
ABB-ES		SMV1	12DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			12DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			12DCLB	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			12DCLB	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			13DCLB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL

**FT. ALLEN**

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Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV1	2NP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			2NANIL	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			2NANIL	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			2NANIL	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			2NP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			2NP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			33DCBD	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			33DCBD	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			33DCBD	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			33DCBD	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			3NANIL	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			3NANIL	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			3NANIL	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			3NANIL	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			46DN2C	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			46DN2C	BAEA	21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			46DN2C	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			46DN2C	BAEB	09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			48RPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			48RPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			48RPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			48RPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4CANIL	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4CANIL	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4CANIL	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4CANIL	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4CLPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4CLPPE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4CLPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4CLPPE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	TRMITS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES		SMV1	4AP	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4AP	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			4AP	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4AP	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			4ANMIL	BAEA 21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			4ANMIL	BAEA 21-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			4ANMIL	BAEB 09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			4ANMIL	BAEB 09-DEC-96	18-DEC-96	<	25 UGL
ABB-ES			ANAPYL	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANAPYL	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANAPYL	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ANAPYL	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ANTRC	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANTRC	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ANTRC	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BZCEXH	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BZCEXH	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BZCEXH	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BZCEXH	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BZCIPE	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BZCIPE	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BZCIPE	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BZCLLE	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BZCLLE	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BZCLLE	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BZCLLE	BAEB 09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BZEHP	BAEA 21-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			BZEHP	BAEA 21-NOV-96	27-NOV-96	<	35 UGL
ABB-ES			BZEHP	BAEB 09-DEC-96	18-DEC-96	<	35 UGL
ABB-ES			BZEHP	BAEB 09-DEC-96	18-DEC-96	<	35 UGL
ABB-ES			BANTR	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BANTR	BAEA 21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BANTR	BAEB 09-DEC-96	18-DEC-96	<	10 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV1	BAANTR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BAPYR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BAPYR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BAPYR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BAPYR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBZP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBZP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BBZP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BBZP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BGHTPY	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BGHTPY	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BGHTPY	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BGHTPY	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BKFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BKFANT	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			BKFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			BKFANT	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CARBZ	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CARBZ	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CARBZ	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CARBZ	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CHRY	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CHRY	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CHRY	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CHRY	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL68Z	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL68Z	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL68Z	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL68Z	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			CL6CP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			CL6CP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL

**FT. ALLEN**

IRDMIS						
Contractor	Method Description	Test Name	Lot	Prep Date	Analysis Date	Value Unit
A8B-ES		CLGCP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES	SNV1	CLGCP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		CLGET	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		CLGET	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		CLGET	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		CLGET	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DBANA	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DBANA	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DBANA	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DBAZFLR	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DBAZFLR	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DBAZFLR	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DBAZFLR	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DEP	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DEP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DEP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DNP	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DNP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DNP	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DNP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DNBP	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DNBP	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES		DNBP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DNBP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL
A8B-ES		DNOP	BAEA	21-NOV-96	27-NOV-96	< 10 UGL
A8B-ES	DNOP	BAEB	09-DEC-96	18-DEC-96	< 10 UGL	
A8B-ES	FANT	BAEA	21-NOV-96	27-NOV-96	< 10 UGL	
A8B-ES	FANT	BAEA	21-NOV-96	27-NOV-96	< 10 UGL	
A8B-ES	FANT	BAEB	09-DEC-96	18-DEC-96	< 10 UGL	
A8B-ES	FANT	BAEB	09-DEC-96	18-DEC-96	< 10 UGL	
A8B-ES	FLRENE	BAEA	21-NOV-96	27-NOV-96	< 10 UGL	

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		SMV1	FLRENE	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			FLRENE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			FLRENE	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			HCBD	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			HCBD	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			HCBD	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			HCBD	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ICDPYR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ICDPYR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ICDPYR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ICDPYR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ISOPHR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ISOPHR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			ISOPHR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			ISOPHR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			NAP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			NAP	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			NAP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			NAP	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			NB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			NB	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			NB	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			NB	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			NNDPA	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			NNDPA	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			NNDPA	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			NNDPA	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			PHANTR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			PHANTR	BAEA	21-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			PHANTR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES			PHANTR	BAEB	09-DEC-96	18-DEC-96	<	10 UGL
ABB-ES		VMS1	11TCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			11TCE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			11TCE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL

## METHOD BLANKS (WATER)

**IRDMIS**

Contractor	Method Description	Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
A8B-ES		VMS1	111TCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			112TCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			112TCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			112TCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			112TCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			11DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			12DCE	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			12DCLP	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			12DCLP	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			12DCLP	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			12DCLP	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			ACET	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			ACET	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			ACET	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			BROCLM	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			BROCLM	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			BROCLM	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			BROCLM	VAFX	06-DEC-96	14-DEC-96	< 1 UGL
A8B-ES			C13DCP	VAFW	12-DEC-96	12-DEC-96	< 1 UGL
A8B-ES			C13DCP	VAFW	12-DEC-96	12-DEC-96	< 1 UGL



Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	C13DCP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C13DCP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H3CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C2H5CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			C6H6	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CCL4	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CCL4	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CCL4	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH2CL2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH3BR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CH3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3CL	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CH3CL	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHBR3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHCL3	VAFW	12-DEC-96	12-DEC-96	<	1 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	CHCL3	VAFX	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CHCL3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CHCL3	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CLC6MS	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CLC6MS	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CLC6MS	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CLC6MS	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CS2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CS2	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			CS2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			CS2	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			DBRCLM	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			ETC6MS	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			ETC6MS	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			ETC6MS	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			ETC6MS	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			MEC6MS	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			MEC6MS	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			MEC6MS	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			MEC6MS	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			MEK	VAFW	12-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			MEK	VAFW	12-DEC-96	12-DEC-96	<	15 UGL
ABB-ES			MEK	VAFX	06-DEC-96	14-DEC-96	<	15 UGL
ABB-ES			MEK	VAFX	06-DEC-96	14-DEC-96	<	15 UGL
ABB-ES			MIK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MIK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MIK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			MIK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			MWBK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MWBK	VAFW	12-DEC-96	12-DEC-96	<	5 UGL
ABB-ES			MWBK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL
ABB-ES			MWBK	VAFX	06-DEC-96	14-DEC-96	<	5 UGL

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VMS1	STYR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			STYR	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			STYR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			STYR	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			T130CP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			T130CP	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			T130CP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			T130CP	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEA	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TCLEE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TRCLE	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFW	12-DEC-96	12-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			TXYLEN	VAFX	06-DEC-96	14-DEC-96	<	1 UGL
ABB-ES			UNK273	VAFW	12-DEC-96	12-DEC-96	<	1 UGL

Table: Appendix K

## TRIP BLANKS

FT. ALLEN

Contractor	IRDMIS Method Code	Test Lot Name	IRDMIS Field Sample Number	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Unit	IRDMIS Site ID
ABB-ES	VMS1	VAFW 11TICE	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 112TCE	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 11DCE	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 11DCL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 12DCE	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 12DCL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW 12DCLP	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW ACET	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	5	UGL	TRIP-2
ABB-ES		VAFW BRDCLM	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C13DCL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C2H3CL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C2H5CL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW C4H6	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CCL4	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CH2CL2	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CH3BR	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CH3CL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CHBR3	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CHCL3	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CLC4H5	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW CS2	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW DBRCLM	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW ETC4H5	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW MEC4H5	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW MEK	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	15	UGL	TRIP-2
ABB-ES		VAFW MIBK	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	5	UGL	TRIP-2
ABB-ES		VAFW MIBK	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	5	UGL	TRIP-2
ABB-ES		VAFW STYR	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW T13DCL	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TCLEA	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TCLEE	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TCLE	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW TATLEN	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2
ABB-ES		VAFW UMR262	TRIP-2	52056-06	04-DEC-96	06-DEC-96	12-DEC-96	1	UGL	TRIP-2

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		DRO	RNSWS01	RNSWS01	52680-02	DRO	DRAC	19-NOV-96	26-NOV-96	348	UGL
ABB-ES			RNSWM02	RNSWM02	52856-07	DRO	DRAC	04-DEC-96	10-DEC-96	105	UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	DRO	DRAC	19-NOV-96	26-NOV-96	100	UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	DRO	DRAC	18-NOV-96	26-NOV-96	100	UGL
ABB-ES			RNSWM01	RNSWM01	52856-05	DRO	DRAC	03-DEC-96	10-DEC-96	100	UGL
ABB-ES		GPB1	RNSWSB01	RNSWSB01	52680-03	PB	PADF	18-NOV-96	11-DEC-96	3	UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	PB	PADF	19-NOV-96	11-DEC-96	3	UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	PB	PADF	19-NOV-96	11-DEC-96	3	UGL
ABB-ES			RNSWM01	RNSWM01	52856-05	PB	PADG	03-DEC-96	12-DEC-96	3	UGL
ABB-ES			RNSWM02	RNSWM02	52856-07	PB	PADG	04-DEC-96	12-DEC-96	3	UGL
ABB-ES		GRO	RNSWSB01	RNSWSB01	52680-03	GRO	GRAC	18-NOV-96	21-NOV-96	10	UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	GRO	GRAC	19-NOV-96	21-NOV-96	10	UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	GRO	GRAC	19-NOV-96	21-NOV-96	10	UGL
ABB-ES			RNSWM01	RNSWM01	52856-05	GRO	GRAD	03-DEC-96	06-DEC-96	10	UGL
ABB-ES			RNSWM02	RNSWM02	52856-07	GRO	GRAD	04-DEC-96	06-DEC-96	10	UGL
ABB-ES		GSE1	RNSWS01	RNSWS01	52680-02	SE	SADF	19-NOV-96	11-DEC-96	5	UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	SE	SADF	18-NOV-96	11-DEC-96	5	UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	SE	SADF	19-NOV-96	11-DEC-96	5	UGL
ABB-ES			RNSWM01	RNSWM01	52856-05	SE	SADG	03-DEC-96	12-DEC-96	5	UGL
ABB-ES			RNSWM02	RNSWM02	52856-07	SE	SADG	04-DEC-96	12-DEC-96	5	UGL
ABB-ES		GTL1	RNSWSB01	RNSWSB01	52680-03	TL	TADF	18-NOV-96	11-DEC-96	10	UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	TL	TADF	19-NOV-96	11-DEC-96	10	UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	TL	TADF	19-NOV-96	11-DEC-96	10	UGL
ABB-ES			RNSWM01	RNSWM01	52856-05	TL	TADG	03-DEC-96	12-DEC-96	10	UGL
ABB-ES			RNSWM02	RNSWM02	52856-07	TL	TADG	04-DEC-96	12-DEC-96	10	UGL
ABB-ES		HGC1	RNSWM01	RNSWM01	52856-05	HG	HACR	03-DEC-96	10-DEC-96	.2	UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	HG	HACR	18-NOV-96	10-DEC-96	.2	UGL
ABB-ES			RNSWM02	RNSWM02	52856-07	HG	HACR	04-DEC-96	10-DEC-96	.2	UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	HG	HACQ	19-NOV-96	10-DEC-96	.2	UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	HG	HACQ	19-NOV-96	10-DEC-96	.2	UGL
ABB-ES		ICH1	RNSWM01	RNSWM01	52856-05	AS	WABM	03-DEC-96	17-DEC-96	5	UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	AS	WABL	19-NOV-96	17-DEC-96	5	UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Code	Method Description	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	ICN1		RNSLSB02	RNSLSB02	52680-01	AS	WABL	19-NOV-96	17-DEC-96	<	5 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-03	AS	WABL	18-NOV-96	17-DEC-96	<	5 UGL
ABB-ES			RNSLSA02	RNSLSA02	52656-07	AS	WABH	04-DEC-96	18-DEC-96	<	5 UGL
ABB-ES			RNSLSA01	RNSLSA01	52656-05	BE	WABH	03-DEC-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-03	BE	WABL	18-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB02	RNSLSB02	52680-01	BE	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSA01	RNSLSA01	52680-02	BE	WABH	04-DEC-96	18-DEC-96	<	1 UGL
ABB-ES			RNSLSA02	RNSLSA02	52656-07	BE	WABH	03-DEC-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-05	CD	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB02	RNSLSB02	52680-01	CD	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSA01	RNSLSA01	52680-02	CD	WABH	04-DEC-96	18-DEC-96	<	1 UGL
ABB-ES			RNSLSA02	RNSLSA02	52656-07	CD	WABH	03-DEC-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-03	CD	WABL	18-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB02	RNSLSB02	52656-05	S8	WABL	04-DEC-96	18-DEC-96	<	1 UGL
ABB-ES			RNSLSA01	RNSLSA01	52680-03	S8	WABL	18-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSA02	RNSLSA02	52680-01	S8	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-02	S8	WABL	19-NOV-96	17-DEC-96	<	1 UGL
ABB-ES			RNSLSB02	RNSLSB02	52656-07	S8	WABH	04-DEC-96	18-DEC-96	<	1 UGL
ABB-ES	ICP2		RNSLSA01	RNSLSA01	52656-05	AG	IADL	03-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-03	AG	IADK	18-NOV-96	12-DEC-96	<	10 UGL
ABB-ES			RNSLSA02	RNSLSA02	52656-07	AG	IADL	04-DEC-96	12-DEC-96	<	10 UGL
ABB-ES			RNSLSB02	RNSLSB02	52680-01	AG	IADK	19-NOV-96	12-DEC-96	<	10 UGL
ABB-ES			RNSLSA01	RNSLSA01	52680-02	AG	IADK	19-NOV-96	12-DEC-96	<	893 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-03	AL	IADK	18-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSB02	RNSLSB02	52656-05	AL	IADL	03-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSA01	RNSLSA01	52656-07	AL	IADL	04-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSA02	RNSLSA02	52680-02	BA	IADK	19-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-03	BA	IADK	18-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSB02	RNSLSB02	52656-07	BA	IADL	04-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSA01	RNSLSA01	52680-05	BA	IADL	03-DEC-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSA02	RNSLSA02	52680-01	BA	IADK	19-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-02	BA	IADK	19-NOV-96	12-DEC-96	<	200 UGL
ABB-ES			RNSLSB02	RNSLSB02	52680-03	CA	IADK	18-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSLSA01	RNSLSA01	52656-05	CA	IADL	03-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSLSA02	RNSLSA02	52680-01	CA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSLSB01	RNSLSB01	52680-02	CA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	ICP2	RNSM02	RNSM02	RNSM02	52856-07	CA	IADL	04-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-05	CO	IADL	03-DEC-96	12-DEC-96	<	50 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-01	CO	IADK	19-NOV-96	12-DEC-96	<	50 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-02	CO	IADK	19-NOV-96	12-DEC-96	<	50 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-07	CO	IADL	04-DEC-96	12-DEC-96	<	50 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-03	CO	IADK	18-NOV-96	12-DEC-96	<	50 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-01	CR	IADK	19-NOV-96	12-DEC-96	<	10.4 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-03	CR	IADK	18-NOV-96	12-DEC-96	<	10 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-07	CR	IADL	04-DEC-96	12-DEC-96	<	10 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-05	CR	IADL	03-DEC-96	12-DEC-96	<	10 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-02	CU	IADK	19-NOV-96	12-DEC-96	<	25 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-05	CU	IADL	03-DEC-96	12-DEC-96	<	25 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-03	CU	IADK	18-NOV-96	12-DEC-96	<	25 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-02	CU	IADK	19-NOV-96	12-DEC-96	<	25 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-01	CU	IADK	19-NOV-96	12-DEC-96	<	25 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-07	CU	IADL	04-DEC-96	12-DEC-96	<	25 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-01	FE	IADK	19-NOV-96	12-DEC-96	<	1120 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-03	FE	IADK	18-NOV-96	12-DEC-96	<	100 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-05	FE	IADL	03-DEC-96	12-DEC-96	<	100 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-02	FE	IADK	19-NOV-96	12-DEC-96	<	100 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-07	FE	IADL	04-DEC-96	12-DEC-96	<	100 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-05	K	IADL	03-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-01	K	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-03	K	IADK	18-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-02	K	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-07	K	IADL	04-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-07	MG	IADL	04-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-01	MG	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-05	MG	IADL	03-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-03	MG	IADK	18-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-02	MG	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-07	MN	IADL	04-DEC-96	12-DEC-96	<	49.6 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52680-01	MN	IADK	19-NOV-96	12-DEC-96	<	15 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-03	MN	IADK	18-NOV-96	12-DEC-96	<	15 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-07	MN	IADL	04-DEC-96	12-DEC-96	<	15 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52680-02	MN	IADK	19-NOV-96	12-DEC-96	<	15 UGL
ABB-ES		RNSM02	RNSM02	RNSM02	52856-05	NA	IADL	03-DEC-96	12-DEC-96	<	5000 UGL
ABB-ES		RNSM01	RNSM01	RNSM01	52856-07	NA	IADL	04-DEC-96	12-DEC-96	<	5000 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		ICP2	RNSUS801	RNSUS801	52680-03	NA	IADK	18-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSUS802	RNSUS802	52680-01	NA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	NA	IADK	19-NOV-96	12-DEC-96	<	5000 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	NI	IADL	03-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			RNSUS802	RNSUS802	52680-07	NI	IADL	04-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			RNSUS801	RNSUS801	52680-03	NI	IADK	18-NOV-96	12-DEC-96	<	40 UGL
ABB-ES			RNSUS802	RNSUS802	52680-01	NI	IADK	19-NOV-96	12-DEC-96	<	40 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	NI	IADK	19-NOV-96	12-DEC-96	<	40 UGL
ABB-ES			RNSUS802	RNSUS802	52680-07	V	IADL	04-DEC-96	12-DEC-96	<	40 UGL
ABB-ES			RNSUS801	RNSUS801	52680-03	V	IADK	18-NOV-96	12-DEC-96	<	50 UGL
ABB-ES			RNSUS802	RNSUS802	52680-01	V	IADK	19-NOV-96	12-DEC-96	<	50 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	V	IADL	03-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	V	IADL	03-DEC-96	12-DEC-96	<	50 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	ZN	IADL	03-DEC-96	12-DEC-96	<	20 UGL
ABB-ES			RNSUS802	RNSUS802	52680-07	ZN	IADL	04-DEC-96	12-DEC-96	<	20 UGL
ABB-ES			RNSUS801	RNSUS801	52680-03	ZN	IADK	18-NOV-96	12-DEC-96	<	20 UGL
ABB-ES			RNSUS802	RNSUS802	52680-01	ZN	IADK	19-NOV-96	12-DEC-96	<	20 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	ZN	IADK	19-NOV-96	12-DEC-96	<	20 UGL
ABB-ES		SNV1	RNSUS802	RNSUS802	52680-01	124TC8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-03	124TC8	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	124TC8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	124TC8	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSUS802	RNSUS802	52680-07	124TC8	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-01	12DCL8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-03	12DCL8	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	12DCL8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	12DCL8	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSUS802	RNSUS802	52680-07	12DCL8	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-01	13DCL8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-03	13DCL8	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	13DCL8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	13DCL8	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSUS802	RNSUS802	52680-07	13DCL8	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-01	14DCL8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS802	RNSUS802	52680-03	14DCL8	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-02	14DCL8	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSUS801	RNSUS801	52680-05	14DCL8	BAEB	03-DEC-96	13-DEC-96	<	10 UGL



Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSMHW02	RNSMHW02	52856-07	14DCLB	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	245TCP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	245TCP	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	245TCP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	245TCP	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	246TCP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-02	246TCP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	246TCP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	246TCP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	240CLP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	240CLP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	240CLP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	240CLP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	240MPN	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	240MPN	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	240MPN	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	240MPN	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	240NP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	240NP	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	240NP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	240NP	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	240NT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	240NT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	240NT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	240NT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	260NT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	260NT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW01	RNSMHW01	52856-05	260NT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMHW02	RNSMHW02	52856-07	260NT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	2CLP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	2CLP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Code	Method Description	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	SNV1		RNSWSS01	RNSWSS01	52680-02	2CLP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	2CLP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	2CLP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	2CNAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	2CNAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	2CNAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	2CNAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	2CNAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	2NMAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	2NMAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	2NMAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	2NMAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	2NMAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	2NP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	2NP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	2NP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	2NP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	2NP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	2NAMIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	2NAMIL	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	2NAMIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	2NAMIL	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	2NAMIL	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	2NP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	2NP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	2NP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	2NP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	2NP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	33DCBD	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	33DCBD	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	33DCBD	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	33DCBD	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	33DCBD	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	3NAMIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	3NAMIL	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSS01	RNSWSS01	52680-02	3NAMIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWMA01	RNSWMA01	52656-05	3NAMIL	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWMA02	RNSWMA02	52656-07	3NAMIL	BAEB	04-DEC-96	13-DEC-96	<	25 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSWSB02	RNSWSB02	52680-01	46DN2C	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	46DN2C	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	46DN2C	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	46DN2C	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	46DN2C	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4BRPPE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4BRPPE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4BRPPE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	4BRPPE	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	4BRPPE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4CANIL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4CANIL	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4CANIL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	4CANIL	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	4CANIL	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4CL3C	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4CL3C	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4CL3C	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	4CL3C	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	4CL3C	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4CLPPE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4CLPPE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4CLPPE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	4CLPPE	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	4CLPPE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4NP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4NP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4NP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	4NP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	4NP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4NANIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4NANIL	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4NANIL	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMMW01	RNSMMW01	52856-05	4NANIL	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMMW02	RNSMMW02	52856-07	4NANIL	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSWSB02	RNSWSB02	52680-01	4NP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	4NP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSWSB01	RNSWSB01	52680-03	4NP	BAEA	18-NOV-96	27-NOV-96	<	25 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value Unit
ABB-ES		SMV1	RNSAM01	RNSAM01	52856-05	ANP	BAEB	03-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	ANP	BAEB	04-DEC-96	13-DEC-96	25 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	ANAPNE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	ANAPNE	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	ANAPNE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	ANAPNE	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	ANAPNE	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	ANAPYL	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	ANAPYL	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	ANAPYL	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	ANAPYL	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	ANAPYL	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	ANTRC	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	ANTRC	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	ANTRC	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	ANTRC	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	ANTRC	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	B2CEXM	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	B2CEXM	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	B2CEXM	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	B2CEXM	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	B2CEXM	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	B2CTPE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	B2CTPE	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	B2CTPE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	B2CTPE	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	B2CTPE	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	B2CLEE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	B2CLEE	BAEA	18-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	B2CLEE	BAEA	19-NOV-96	27-NOV-96	10 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	B2CLEE	BAEB	03-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	B2CLEE	BAEB	04-DEC-96	13-DEC-96	10 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	B2ENP	BAEA	19-NOV-96	27-NOV-96	35 UGL
ABB-ES			RNSASB01	RNSASB01	52680-03	B2ENP	BAEA	18-NOV-96	27-NOV-96	35 UGL
ABB-ES			RNSASS01	RNSASS01	52680-02	B2ENP	BAEA	19-NOV-96	27-NOV-96	35 UGL
ABB-ES			RNSAM01	RNSAM01	52856-05	B2ENP	BAEB	03-DEC-96	13-DEC-96	35 UGL
ABB-ES			RNSAM02	RNSAM02	52856-07	B2ENP	BAEB	04-DEC-96	13-DEC-96	35 UGL
ABB-ES			RNSASB02	RNSASB02	52680-01	BAANTR	BAEA	19-NOV-96	27-NOV-96	10 UGL

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSH801	RNSH801	52680-03	BAANTR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	BAANTR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	BAANTR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	BAANTR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	BAPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	BAPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	BAPYR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	BAPYR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	BAPYR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	BBFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	BBFANT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	BBFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	BBFANT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	BBFANT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	BBZP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	BBZP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	BBZP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	BBZP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	BBZP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	BGHIPI	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	BGHIPI	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	BGHIPI	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	BGHIPI	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	BGHIPI	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	BKFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	BKFANT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	BKFANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	BKFANT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	BKFANT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	CARBZ	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	CARBZ	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	CARBZ	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	CARBZ	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-05	CARBZ	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-01	CHRY	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-02	CHRY	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH801	RNSH801	52680-03	CHRY	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSH802	RNSH802	52856-07	CHRY	BAEB	04-DEC-96	13-DEC-96	<	10 UGL

## RINSE BLANKS

**FT. ALLEN**

Contractor		Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field	Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	SHV1			RNSJMA01	IRDMIS	RNSJMA01	52856-05	CHRY	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	CL682	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	CL682	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJSA01		RNSJSA01	52680-02	CL682	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	CL682	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	CL682	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	CL6CP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	CL6CP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	CL6CP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	CL6CP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	CL6ET	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	CL6ET	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	CL6ET	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	CL6ET	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	CL6ET	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	CL6ET	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	CL6ET	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	CL6ET	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	DRAHA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	DRAHA	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	DRAHA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	DRAHA	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	DBZFLUR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	DBZFLUR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	DBZFLUR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	DBZFLUR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	DEP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	DEP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA02		RNSJMA02	52856-07	DEP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJMA01		RNSJMA01	52856-05	DEP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES				RNSJMS802		RNSJMS802	52680-01	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES				RNSJS801		RNSJS801	52680-03	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA02	RNSJMA02	52856-07	DMP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL				
ABB-ES	RNSJMA01	RNSJMA01	52856-05	DMP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJMS802	RNSJMS802	52680-01	DMP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL				
ABB-ES	RNSJS801	RNSJS801	52680-03	DMP	BAEA</								

Table: Appendix K

RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SMV1	RNSWS01	RNSWS01	52680-02	DNBP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	DNBP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	DNBP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-03	DNBP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-02	DNBP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-01	DNBP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	DNBP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	DNBP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-03	FANT	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-02	FANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-01	FANT	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	FANT	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	FANT	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-03	FLORENE	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-02	FLORENE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-01	FLORENE	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-05	FLORENE	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-03	HCB0	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-01	HCB0	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-02	HCB0	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	HCB0	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	HCB0	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-03	ICDPYR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-02	ICDPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-01	ICDPYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	ICDPYR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	ICDPYR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-03	ISOPHR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-02	ISOPHR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-01	ISOPHR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	ISOPHR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	ISOPHR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-03	NAP	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52680-02	NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52680-01	NAP	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSWS02	RNSWS02	52856-07	NAP	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSWS01	RNSWS01	52856-05	NAP	BAEB	03-DEC-96	13-DEC-96	<	10 UGL

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES		SNV1	RNSMSB01	RNSMSB01	52680-03	NB	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-01	NB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-02	NB	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	NB	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	NB	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	NDNPA	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	NDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	NDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	NDNPA	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	NDNPA	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	NDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	NDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	NDNPA	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	NDNPA	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	NDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	NDNPA	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	NDNPA	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PCP	BAEA	18-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	PCP	BAEA	19-NOV-96	27-NOV-96	<	25 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	PCP	BAEB	04-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	PCP	BAEB	03-DEC-96	13-DEC-96	<	25 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PHANTR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	PHANTR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	PHANTR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	PHANTR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PHENOL	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	PHENOL	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	PHENOL	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	PHENOL	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52680-03	PYR	BAEA	18-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMSB02	RNSMSB02	52680-02	PYR	BAEA	19-NOV-96	27-NOV-96	<	10 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	PYR	BAEB	04-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	PYR	BAEB	03-DEC-96	13-DEC-96	<	10 UGL
ABB-ES			RNSMSB01	RNSMSB01	52856-05	UNK537	BAEB	03-DEC-96	13-DEC-96	<	2 UGL
ABB-ES			RNSMAA02	RNSMAA02	52856-07	UNK563	BAEB	04-DEC-96	13-DEC-96	<	3 UGL
ABB-ES			RNSMAA01	RNSMAA01	52856-05	UNK563	BAEB	03-DEC-96	13-DEC-96	<	2 UGL



Table: Appendix K  
SEMIVOLATILE SURROGATES  
FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES		SMV1	246TBP	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	75	45 UGL	60.0
ABB-ES		SMV1	246TBP	RNSWSB01	RNSWSB01	52680-02	BAEA	19-NOV-96	27-NOV-96	75	44 UGL	58.7
ABB-ES		SMV1	246TBP	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	75	45 UGL	60.0
ABB-ES		SMV1	246TBP	MM-03-01	M030126X	52856-01	BAEB	04-DEC-96	13-DEC-96	75	62 UGL	82.7
ABB-ES		SMV1	246TBP	MM-03-02	M030222X	52856-02	BAEB	04-DEC-96	13-DEC-96	75	54 UGL	72.0
ABB-ES		SMV1	246TBP	MM-08-01	M080120X	52856-03	BAEB	03-DEC-96	13-DEC-96	75	53 UGL	70.7
ABB-ES		SMV1	246TBP	MM-09-01	M090113X	52856-04	BAEB	04-DEC-96	13-DEC-96	75	45 UGL	60.0
ABB-ES		SMV1	246TBP	RNSWMM01	RNSWMM01	52856-05	BAEB	03-DEC-96	13-DEC-96	75	60 UGL	80.0
ABB-ES		SMV1	246TBP	RNSWMM02	RNSWMM02	52856-07	BAEB	04-DEC-96	13-DEC-96	75	64 UGL	85.3
ABB-ES		SMV1	246TBP			BAEA-BS1	BAEA		27-NOV-96	75	62 UGL	82.7
ABB-ES		SMV1	246TBP			BAEA-BS2	BAEA		27-NOV-96	75	56 UGL	74.7
ABB-ES		SMV1	246TBP			BAEB-BS1	BAEB		18-DEC-96	75	62 UGL	82.7
ABB-ES		SMV1	246TBP			BAEB-BS2	BAEB		18-DEC-96	75	68 UGL	90.7
			*****									
			avg									73.8
			minimum									58.7
			maximum									90.7
ABB-ES		SMV1	2FBP	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	50	23 UGL	46.0
ABB-ES		SMV1	2FBP	RNSWSB01	RNSWSB01	52680-02	BAEA	19-NOV-96	27-NOV-96	50	27 UGL	54.0
ABB-ES		SMV1	2FBP	RNSWSB01	RNSWSB01	52680-03	BAEA	18-NOV-96	27-NOV-96	50	24 UGL	48.0
ABB-ES		SMV1	2FBP	MM-03-01	M030126X	52856-01	BAEB	04-DEC-96	13-DEC-96	50	31 UGL	62.0
ABB-ES		SMV1	2FBP	MM-03-02	M030222X	52856-02	BAEB	04-DEC-96	13-DEC-96	50	26 UGL	52.0
ABB-ES		SMV1	2FBP	MM-08-01	M080120X	52856-03	BAEB	03-DEC-96	13-DEC-96	50	27 UGL	54.0
ABB-ES		SMV1	2FBP	MM-09-01	M090113X	52856-04	BAEB	04-DEC-96	13-DEC-96	50	22 UGL	44.0
ABB-ES		SMV1	2FBP	RNSWMM01	RNSWMM01	52856-05	BAEB	03-DEC-96	13-DEC-96	50	28 UGL	56.0
ABB-ES		SMV1	2FBP	RNSWMM02	RNSWMM02	52856-07	BAEB	04-DEC-96	13-DEC-96	50	31 UGL	62.0
ABB-ES		SMV1	2FBP			BAEA-BS1	BAEA		27-NOV-96	50	33 UGL	66.0
ABB-ES		SMV1	2FBP			BAEA-BS2	BAEA		27-NOV-96	50	29 UGL	58.0
ABB-ES		SMV1	2FBP			BAEB-BS1	BAEB		18-DEC-96	50	28 UGL	56.0
ABB-ES		SMV1	2FBP			BAEB-BS2	BAEB		18-DEC-96	50	32 UGL	64.0
			*****									
			avg									55.5
			minimum									44.0
			maximum									66.0
ABB-ES		SMV1	2FP	RNSWSB02	RNSWSB02	52680-01	BAEA	19-NOV-96	27-NOV-96	75	50 UGL	66.7
ABB-ES		SMV1	2FP	RNSWSB01	RNSWSB01	52680-02	BAEA	19-NOV-96	27-NOV-96	75	56 UGL	74.7

Table: Appendix K

## SEMI-VOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRMS Method Code	Test Name	IRMS Site ID	IRMS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES		SHV1	2FP	RNSASB01	RNSASB01	52680-03	BAEA	18-NOV-96	27-NOV-96	75	52	UGL	69.3
ABB-ES		SHV1	2FP	MAJ-03-01	MO30126X	52856-01	BAEB	04-DEC-96	13-DEC-96	75	55	UGL	73.3
ABB-ES		SHV1	2FP	MAJ-03-02	MO30222X	52856-02	BAEB	04-DEC-96	13-DEC-96	75	48	UGL	64.0
ABB-ES		SHV1	2FP	MAJ-08-01	MO80120X	52856-03	BAEB	03-DEC-96	13-DEC-96	75	51	UGL	68.0
ABB-ES		SHV1	2FP	MAJ-09-01	MO90113X	52856-04	BAEB	04-DEC-96	13-DEC-96	75	40	UGL	53.3
ABB-ES		SHV1	2FP	RNSAMJ01	RNSAMJ01	52856-05	BAEB	03-DEC-96	13-DEC-96	75	52	UGL	69.3
ABB-ES		SHV1	2FP	RNSAMJ02	RNSAMJ02	52856-07	BAEB	04-DEC-96	13-DEC-96	75	61	UGL	81.3
ABB-ES		SHV1	2FP			BAEA-BB1	BAEA	27-NOV-96	27-NOV-96	75	64	UGL	85.3
ABB-ES		SHV1	2FP			BAEA-BB2	BAEA	27-NOV-96	27-NOV-96	75	62	UGL	82.7
ABB-ES		SHV1	2FP			BAEB-BB1	BAEB	18-DEC-96	18-DEC-96	75	51	UGL	68.0
ABB-ES		SHV1	2FP			BAEB-BB2	BAEB	18-DEC-96	18-DEC-96	75	53	UGL	70.7
			*****										
			avg										71.3
			minimum										53.3
			maximum										85.3
ABB-ES		SHV1	NBD5	RNSASB02	RNSASB02	52680-01	BAEA	19-NOV-96	27-NOV-96	50	34	UGL	68.0
ABB-ES		SHV1	NBD5	RNSASB01	RNSASB01	52680-02	BAEA	19-NOV-96	27-NOV-96	50	38	UGL	76.0
ABB-ES		SHV1	NBD5	RNSASB01	MO30126X	52680-03	BAEA	18-NOV-96	27-NOV-96	50	34	UGL	68.0
ABB-ES		SHV1	NBD5	MAJ-03-01	MO30222X	52856-01	BAEB	04-DEC-96	13-DEC-96	50	43	UGL	86.0
ABB-ES		SHV1	NBD5	MAJ-03-02	MO80120X	52856-02	BAEB	04-DEC-96	13-DEC-96	50	33	UGL	66.0
ABB-ES		SHV1	NBD5	MAJ-08-01	MO90113X	52856-03	BAEB	03-DEC-96	13-DEC-96	50	38	UGL	76.0
ABB-ES		SHV1	NBD5	RNSAMJ01	RNSAMJ01	52856-04	BAEB	04-DEC-96	13-DEC-96	50	28	UGL	56.0
ABB-ES		SHV1	NBD5	RNSAMJ02	RNSAMJ02	52856-05	BAEB	03-DEC-96	13-DEC-96	50	36	UGL	72.0
ABB-ES		SHV1	NBD5			52856-07	BAEB	04-DEC-96	13-DEC-96	50	41	UGL	82.0
ABB-ES		SHV1	NBD5			BAEA-BB1	BAEA	27-NOV-96	27-NOV-96	50	44	UGL	88.0
ABB-ES		SHV1	NBD5			BAEA-BB2	BAEA	27-NOV-96	27-NOV-96	50	44	UGL	88.0
ABB-ES		SHV1	NBD5			BAEB-BB1	BAEB	18-DEC-96	18-DEC-96	50	35	UGL	70.0
ABB-ES		SHV1	NBD5			BAEB-BB2	BAEB	18-DEC-96	18-DEC-96	50	40	UGL	80.0
			*****										
			avg										75.1
			minimum										56.0
			maximum										88.0
ABB-ES		SHV1	TRPD14	RNSASB02	RNSASB02	52680-01	BAEA	19-NOV-96	27-NOV-96	50	40	UGL	80.0
ABB-ES		SHV1	TRPD14	RNSASB01	RNSASB01	52680-02	BAEA	19-NOV-96	27-NOV-96	50	37	UGL	74.0
ABB-ES		SHV1	TRPD14	RNSASB01	MO30126X	52680-03	BAEA	18-NOV-96	27-NOV-96	50	38	UGL	76.0
ABB-ES		SHV1	TRPD14	MAJ-03-01		52856-01	BAEB	04-DEC-96	13-DEC-96	50	44	UGL	88.0

Table: Appendix K  
SEMIVOLATILE SURROGATES  
FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES		SHV1	TRPD14	MM-03-02	M030222X	52856-02	BAEB	04-DEC-96	13-DEC-96	50	38	UGL	76.0
ABB-ES		SHV1	TRPD14	MM-08-01	M080120X	52856-03	BAEB	03-DEC-96	13-DEC-96	50	28	UGL	56.0
ABB-ES		SHV1	TRPD14	MM-09-01	M090113X	52856-04	BAEB	04-DEC-96	13-DEC-96	50	36	UGL	72.0
ABB-ES		SHV1	TRPD14	RNSMM01	RNSMM01	52856-05	BAEB	03-DEC-96	13-DEC-96	50	47	UGL	94.0
ABB-ES		SHV1	TRPD14	RNSMM02	RNSMM02	52856-07	BAEB	04-DEC-96	13-DEC-96	50	50	UGL	100.0
ABB-ES		SHV1	TRPD14			BAEA-B51	BAEA	27-NOV-96	27-NOV-96	50	40	UGL	80.0
ABB-ES		SHV1	TRPD14			BAEA-B52	BAEA	27-NOV-96	27-NOV-96	50	44	UGL	88.0
ABB-ES		SHV1	TRPD14			BAEB-B51	BAEB	18-DEC-96	18-DEC-96	50	41	UGL	82.0
ABB-ES		SHV1	TRPD14			BAEB-B52	BAEB	18-DEC-96	18-DEC-96	50	48	UGL	96.0
			*****										
			avg										81.7
			minimum										56.0
			maximum										100.0
ABB-ES		SHV2	246TBP	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	2.5	1.6	UGG	64.0
ABB-ES		SHV2	246TBP	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	2.5	1.2	UGG	48.0
ABB-ES		SHV2	246TBP	SB-M9-01	B090112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1.3	UGG	76.5
ABB-ES		SHV2	246TBP	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	2.5	1.5	UGG	60.0
ABB-ES		SHV2	246TBP	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	2.5	1.2	UGG	48.0
ABB-ES		SHV2	246TBP	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	2.5	1.1	UGG	44.0
ABB-ES		SHV2	246TBP	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	2.5	1.6	UGG	64.0
ABB-ES		SHV2	246TBP	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	18-DEC-96	2.5	1.6	UGG	64.0
ABB-ES		SHV2	246TBP	SS-CH-01	SCH0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	2.5	1.6	UGG	64.0
ABB-ES		SHV2	246TBP	SS-MM-01	SMM0102X	52678-10	BSBS	19-NOV-96	18-DEC-96	2.5	1.7	UGG	68.0
ABB-ES		SHV2	246TBP	SS-09-01	S090101X	52678-11	BSBS	19-NOV-96	18-DEC-96	2.5	1.6	UGG	64.0
ABB-ES		SHV2	246TBP	SS-09-02	S090201X	52678-12	BSBS	19-NOV-96	18-DEC-96	2.5	1.2	UGG	48.0
ABB-ES		SHV2	246TBP	SS-M9-01	SM90101X	52678-13	BSBS	19-NOV-96	18-DEC-96	2.5	1.4	UGG	56.0
ABB-ES		SHV2	246TBP	SB-09-01	B090101X	52678-14	BSBS	18-NOV-96	16-DEC-96	2.5	1.1	UGG	44.0
ABB-ES		SHV2	246TBP	SB-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	2.5	2	UGG	80.0
ABB-ES		SHV2	246TBP			BSBS-B51	BSBS	16-DEC-96	16-DEC-96	2.5	1.4	UGG	56.0
ABB-ES		SHV2	246TBP			BSBS-B52	BSBS	16-DEC-96	16-DEC-96	2.5	1.1	UGG	44.0
			*****										
			avg										58.4
			minimum										44.0
			maximum										80.0
ABB-ES		SHV2	2TBP	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	1.7	1.1	UGG	64.7

Table: Appendix K  
SEMIVOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
A88-ES		SW2	2FPP	SB-08-02	B080212X	52678-02	B88S	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
A88-ES		SW2	2FPP	SB-M9-01	B090112X	52678-03	B88S	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
A88-ES		SW2	2FPP	SB-M9-01	B090112X	52678-04	B88S	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
A88-ES		SW2	2FPP	SB-09-03	B090312X	52678-05	B88S	18-NOV-96	16-DEC-96	1.7	.86 UGG	50.6
A88-ES		SW2	2FPP	SB-09-04	B090412X	52678-06	B88S	18-NOV-96	16-DEC-96	1.7	.83 UGG	48.8
A88-ES		SW2	2FPP	SS-LE-01	SLE0101X	52678-07	B88S	19-NOV-96	16-DEC-96	1.7	.98 UGG	57.6
A88-ES		SW2	2FPP	SS-LE-02	SLE0201X	52678-08	B88S	19-NOV-96	18-DEC-96	1.7	.99 UGG	58.2
A88-ES		SW2	2FPP	SS-CJ-01	SCJ0101X	52678-09	B88S	19-NOV-96	18-DEC-96	1.7	.82 UGG	48.2
A88-ES		SW2	2FPP	SS-MJ-01	SMJ0102X	52678-10	B88S	19-NOV-96	18-DEC-96	1.7	.99 UGG	58.2
A88-ES		SW2	2FPP	SS-09-01	S090101X	52678-11	B88S	19-NOV-96	18-DEC-96	1.7	.97 UGG	57.1
A88-ES		SW2	2FPP	SS-09-02	S090201X	52678-12	B88S	19-NOV-96	16-DEC-96	1.7	.96 UGG	58.2
A88-ES		SW2	2FPP	SS-M9-01	SM90101X	52678-13	B88S	19-NOV-96	18-DEC-96	1.7	.96 UGG	56.5
A88-ES		SW2	2FPP	SB-09-01	B090112X	52678-14	B88S	18-NOV-96	16-DEC-96	1.7	1 UGG	58.8
A88-ES		SW2	2FPP	SB-09-02	B090212X	52678-15	B88S	18-NOV-96	16-DEC-96	1.7	1.7 UGG	100.0
A88-ES		SW2	2FPP	*****		B88S-B81	B88S		16-DEC-96	1.7	.92 UGG	54.1
A88-ES		SW2	2FPP	*****		B88S-B82	B88S		16-DEC-96	1.7	.85 UGG	50.0
			avg									58.7
			minimum									48.2
			maximum									100.0
A88-ES		SW2	2FPP	SB-08-01	B080112X	52678-01	B88S	19-NOV-96	16-DEC-96	2.5	1.7 UGG	68.0
A88-ES		SW2	2FPP	SB-08-02	B080212X	52678-02	B88S	19-NOV-96	16-DEC-96	2.5	1.8 UGG	72.0
A88-ES		SW2	2FPP	SB-M9-01	B090112X	52678-03	B88S	19-NOV-96	16-DEC-96	2.5	1.7 UGG	68.0
A88-ES		SW2	2FPP	SB-M9-01	B090112X	52678-04	B88S	19-NOV-96	16-DEC-96	2.5	1.6 UGG	64.0
A88-ES		SW2	2FPP	SB-09-03	B090312X	52678-05	B88S	18-NOV-96	16-DEC-96	2.5	1.4 UGG	56.0
A88-ES		SW2	2FPP	SB-09-04	B090412X	52678-06	B88S	18-NOV-96	16-DEC-96	2.5	1.4 UGG	56.0
A88-ES		SW2	2FPP	SS-LE-01	SLE0101X	52678-07	B88S	19-NOV-96	16-DEC-96	2.5	1.7 UGG	68.0
A88-ES		SW2	2FPP	SS-LE-02	SLE0201X	52678-08	B88S	19-NOV-96	18-DEC-96	2.5	1.7 UGG	68.0
A88-ES		SW2	2FPP	SS-CJ-01	SCJ0101X	52678-09	B88S	19-NOV-96	18-DEC-96	2.5	1.4 UGG	56.0
A88-ES		SW2	2FPP	SS-MJ-01	SMJ0102X	52678-10	B88S	19-NOV-96	18-DEC-96	2.5	1.6 UGG	64.0
A88-ES		SW2	2FPP	SS-09-01	S090101X	52678-11	B88S	19-NOV-96	18-DEC-96	2.5	1.5 UGG	60.0
A88-ES		SW2	2FPP	SS-09-02	S090201X	52678-12	B88S	19-NOV-96	16-DEC-96	2.5	1.6 UGG	64.0
A88-ES		SW2	2FPP	SS-M9-01	SM90101X	52678-13	B88S	19-NOV-96	18-DEC-96	2.5	1.3 UGG	52.0
A88-ES		SW2	2FPP	SB-09-01	B090112X	52678-14	B88S	18-NOV-96	16-DEC-96	2.5	1.5 UGG	60.0
A88-ES		SW2	2FPP	SB-09-02	B090212X	52678-15	B88S	18-NOV-96	16-DEC-96	2.5	2.6 UGG	104.0
A88-ES		SW2	2FPP	*****		B88S-B81	B88S		16-DEC-96	2.5	1.5 UGG	60.0
A88-ES		SW2	2FPP	*****		B88S-B82	B88S		16-DEC-96	2.5	1.4 UGG	56.0

Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
*****												
			avg									64.5
			minimum									52.0
			maximum									104.0
ABB-ES		SMV2	NBD5	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	NBD5	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	NBD5	SB-M9-01	B090112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	NBD5	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	NBD5	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	1.7	.87 UGG	51.2
ABB-ES		SMV2	NBD5	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	1.7	.83 UGG	48.8
ABB-ES		SMV2	NBD5	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	NBD5	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	NBD5	SS-CH-01	SCH0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	1.7	.91 UGG	53.5
ABB-ES		SMV2	NBD5	SS-CH-02	SCH0201X	52678-10	BSBS	19-NOV-96	18-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	NBD5	SS-09-01	S090101X	52678-11	BSBS	19-NOV-96	18-DEC-96	1.7	.99 UGG	54.1
ABB-ES		SMV2	NBD5	SS-09-02	S090201X	52678-12	BSBS	19-NOV-96	16-DEC-96	1.7	.92 UGG	51.2
ABB-ES		SMV2	NBD5	SS-M9-01	SM90101X	52678-13	BSBS	19-NOV-96	18-DEC-96	1.7	.87 UGG	64.7
ABB-ES		SMV2	NBD5	SB-09-01	B090112X	52678-14	BSBS	18-NOV-96	16-DEC-96	1.7	1.1 UGG	100.0
ABB-ES		SMV2	NBD5	SB-09-02	B090212X	52678-15	BSBS	18-NOV-96	16-DEC-96	1.7	1.7 UGG	54.7
ABB-ES		SMV2	NBD5			BSBS-BS1	BSBS			1.7	.93 UGG	48.8
ABB-ES		SMV2	NBD5			BSBS-BS2	BSBS			1.7	.83 UGG	48.8
*****												
			avg									59.3
			minimum									48.8
			maximum									100.0
ABB-ES		SMV2	TRPD14	SB-08-01	B080112X	52678-01	BSBS	19-NOV-96	16-DEC-96	1.7	1.3 UGG	76.5
ABB-ES		SMV2	TRPD14	SB-08-02	B080212X	52678-02	BSBS	19-NOV-96	16-DEC-96	1.7	1.5 UGG	88.2
ABB-ES		SMV2	TRPD14	SB-M9-01	B090112X	52678-03	BSBS	19-NOV-96	16-DEC-96	1.7	1.4 UGG	82.4
ABB-ES		SMV2	TRPD14	SB-PH-01	BPH0107X	52678-04	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	SB-09-03	B090312X	52678-05	BSBS	18-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	SB-09-04	B090412X	52678-06	BSBS	18-NOV-96	16-DEC-96	1.7	1 UGG	58.8
ABB-ES		SMV2	TRPD14	SS-LE-01	SLE0101X	52678-07	BSBS	19-NOV-96	16-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	SS-LE-02	SLE0201X	52678-08	BSBS	19-NOV-96	18-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	SS-CH-01	SCH0101X	52678-09	BSBS	19-NOV-96	18-DEC-96	1.7	1.1 UGG	64.7
ABB-ES		SMV2	TRPD14	SS-CH-02	SCH0201X	52678-10	BSBS	19-NOV-96	18-DEC-96	1.7	1.2 UGG	70.6
ABB-ES		SMV2	TRPD14	SS-M9-01	SM90101X	52678-11	BSBS	19-NOV-96	18-DEC-96	1.7	1.1 UGG	64.7

Table: Appendix K

[illegible]

Table: Appendix K

## VOLATILE SURROGATES

FT. ALLEN

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES		VMS1	12DCD4			VAFW-BS1	VAFW		12-DEC-96	10	9.3 UGL	93.0
ABB-ES		VMS1	12DCD4			VAFW-BS2	VAFW		12-DEC-96	10	9.5 UGL	95.0
ABB-ES		VMS1	12DCD4			VAFX-BS1	VAFX		14-DEC-96	10	9.5 UGL	95.0
ABB-ES		VMS1	12DCD4			VAFX-BS2	VAFX		14-DEC-96	10	9.6 UGL	96.0
			avg									94.8
			minimum									93.0
			maximum									96.0
ABB-ES		VMS1	48FB			VAFW-BS1	VAFW		12-DEC-96	10	10 UGL	100.0
ABB-ES		VMS1	48FB			VAFW-BS2	VAFW		12-DEC-96	10	11 UGL	110.0
ABB-ES		VMS1	48FB			VAFX-BS1	VAFX		14-DEC-96	10	10 UGL	100.0
ABB-ES		VMS1	48FB			VAFX-BS2	VAFX		14-DEC-96	10	10 UGL	100.0
			avg									102.5
			minimum									100.0
			maximum									110.0
ABB-ES		VMS1	MEC6D8			VAFW-BS1	VAFW		12-DEC-96	10	11 UGL	110.0
ABB-ES		VMS1	MEC6D8			VAFW-BS2	VAFW		12-DEC-96	10	11 UGL	110.0
ABB-ES		VMS1	MEC6D8			VAFX-BS1	VAFX		14-DEC-96	10	11 UGL	110.0
ABB-ES		VMS1	MEC6D8			VAFX-BS2	VAFX		14-DEC-96	10	10 UGL	100.0
			avg									107.5
			minimum									100.0
			maximum									110.0

**GRO/DRO VALIDATION REPORT AND DRO CHROMATOGRAMS**

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**ABB Environmental Services, Inc.**



## **GRO/DRO DATA VALIDATION REPORT**

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

**DATA VALIDATION REPORT  
MODIFIED USEPA METHOD 8015A FOR GRO/DRO  
SITE INSPECTION REPORT  
FORT ALLEN, JUANA DIAZ, PUERTO RICO**

**Introduction:** The purpose of this report is to summarize data validation procedures and actions for review of data generated using Modified USEPA Method 8015A for gasoline range hydrocarbons (GRO) and diesel range hydrocarbons (DRO).

**Holding Times.** All analytical data sets were reviewed for compliance to analytical and technical holding times. All analytical samples were extracted and/or analyzed within accepted holding times for both the DRO and GRO analyses.

Sample results in groups 9890-25 and 9890-39, for DRO analysis and, 9890-24 and 9890-32, for GRO analysis, were notated with a V<sup>m</sup> to indicate that the samples were received at the laboratory with a temperature exceeding the preservation criteria of  $\leq 4^{\circ}\text{C}$ . Cooler temperatures ranged from seven degrees to  $14^{\circ}\text{C}$ . This was not interpreted to have had a significant impact on results and no additional qualification of results was conducted.

**Initial Calibration.** Initial calibrations for the DRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

Initial calibrations for the GRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

**Continuing Calibration.** Continuing calibrations were analyzed for the DRO analysis at the mid-point level of 2500  $\mu\text{g/mL}$ . All continuing calibrations were  $\leq 15\%$  Difference.

Continuing calibrations were analyzed for the GRO analysis at the mid-point level of 200  $\mu\text{g/L}$ . All continuing calibrations were  $\leq 15\%$  Difference.

**Method Blank.** Method blanks were analyzed for both the DRO and GRO methods after the initial or continuing calibration standards run and, prior to the analysis of samples. All method blanks analyzed were less than the reporting limits for any target compounds in both the DRO and GRO analyses.

**Surrogate Spikes.** All samples analyzed for DRO were spiked with  $\sigma$ -Terphenyl at a final concentration of 20  $\mu\text{g/mL}$  prior to the extraction step of the method. The surrogate recoveries for all samples analyzed were within laboratory generated control limits, except for sample SS-M9-01(052678-0013-SA). The surrogate recovery for this sample was less than laboratory generated control limits. This sample was diluted 1:10 prior to analysis to bring the quantitation concentration within the calibration range of the instrument. No additional qualification of results is recommended due to the level of dilution.

All samples analyzed for GRO were spiked with 1-Chloro-4-fluorobenzene, Internal Standard (IS) and,  $\alpha,\alpha,\alpha$ -Trifluorotoluene (TFT) surrogate at a concentration of 30  $\mu\text{g/L}$  prior to analysis. The surrogate recoveries for all samples analyzed were within method acceptance criteria.

**Matrix Spikes/Matrix Spike Duplicates.** Samples submitted were not specified for analysis of Matrix Spike/Matrix Spike Duplicates (MS/MSD). Samples were selected, by the laboratory for MS/MSD analysis for DRO. Three water samples MW-03-10(052856-001-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA), were selected for MS/MSD analysis. All sample sets selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and Relative Percent Difference (RPD).

GRO samples submitted were not specified for analysis of MS/MSD. However, samples were selected by the laboratory for MS/MSD analysis for GRO. Three water samples MW-03-01(052856-0002-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA) and, one soil matrix, SB-08-02(052678-0001-SA) were selected for MS/MSD analysis. All water samples selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and RPD. Soil sample SB-08-01(052678-0001-SA) had MS/MSD recoveries outside laboratory generated control limits for percent recovery of 60% to 140%. RPDs were within the RPD control limit of 20. The percent recovery for the MS was 59%, the MSD percent recovery was 51%. These results indicate that the soil GRO results are estimated values with a possible low bias, however, results are usable with qualification.

**Laboratory Control Samples.** Laboratory Control Samples (LCSs) were prepared and analyzed as Duplicate Control Samples (DCS) for the DRO method. DCSs are prepared as natural matrix spike samples. Laboratory generated control limits are established at  $\pm 44\%$  RPD. DCS RPD results were all within laboratory generated control limits.

LCSs were analyzed after initial or continuing calibrations and prior to the analysis of method blanks and samples for GRO. All LCSs analyzed were within acceptance criteria for GRO analysis.

**Overall Assessment.** Data presented from the analysis of DRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability

of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

Data presented from the analysis of GRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

## DRO CHROMATOGRAMS

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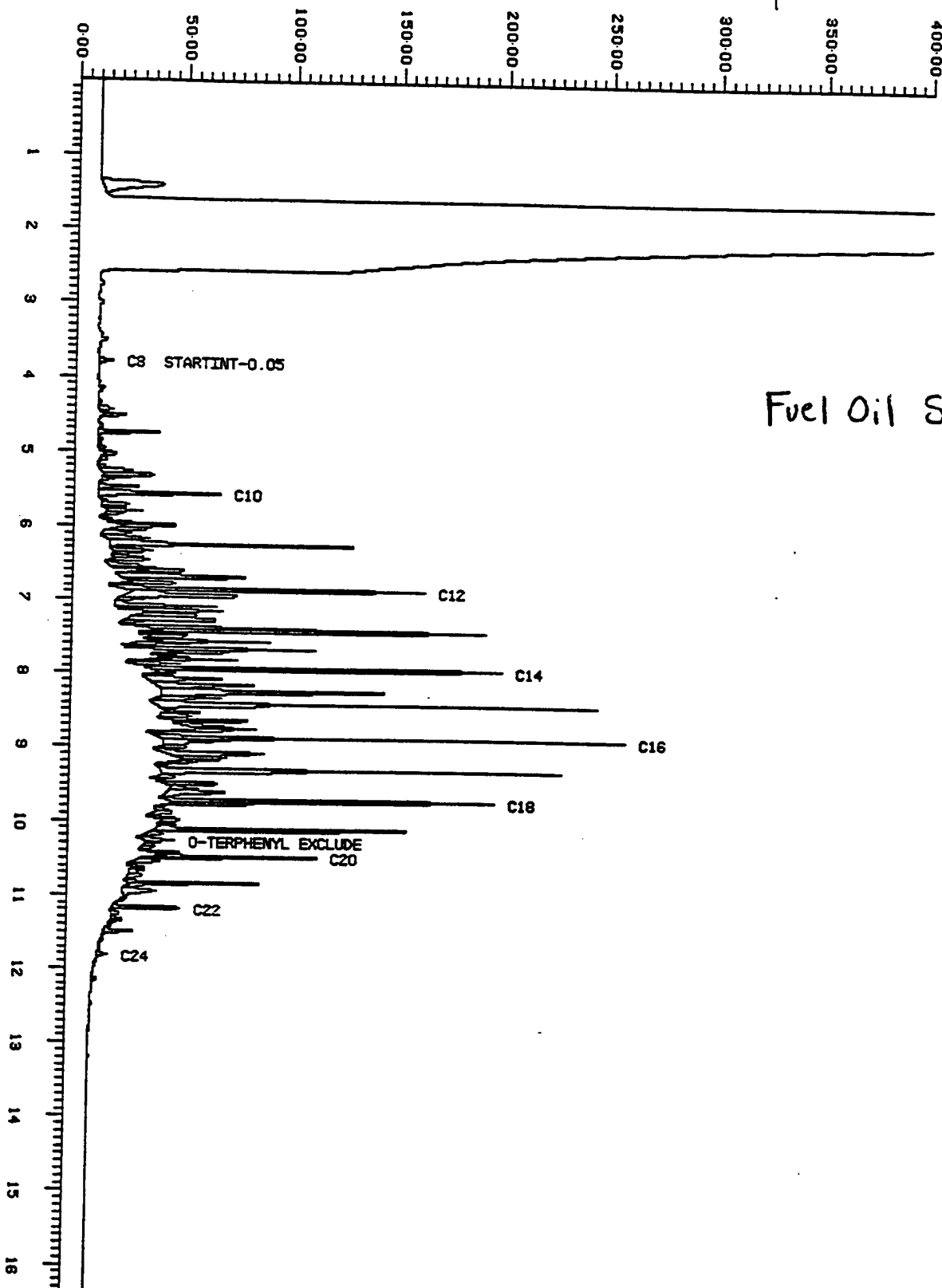
**ABB Environmental Services, Inc.**

Quanterra Denver Multichrom V2.1

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Reported on 10-DEC-1996 at 18:50  
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pc 12/11



[FID12\_2] 76 Z09DEC96,19,1

52678-13

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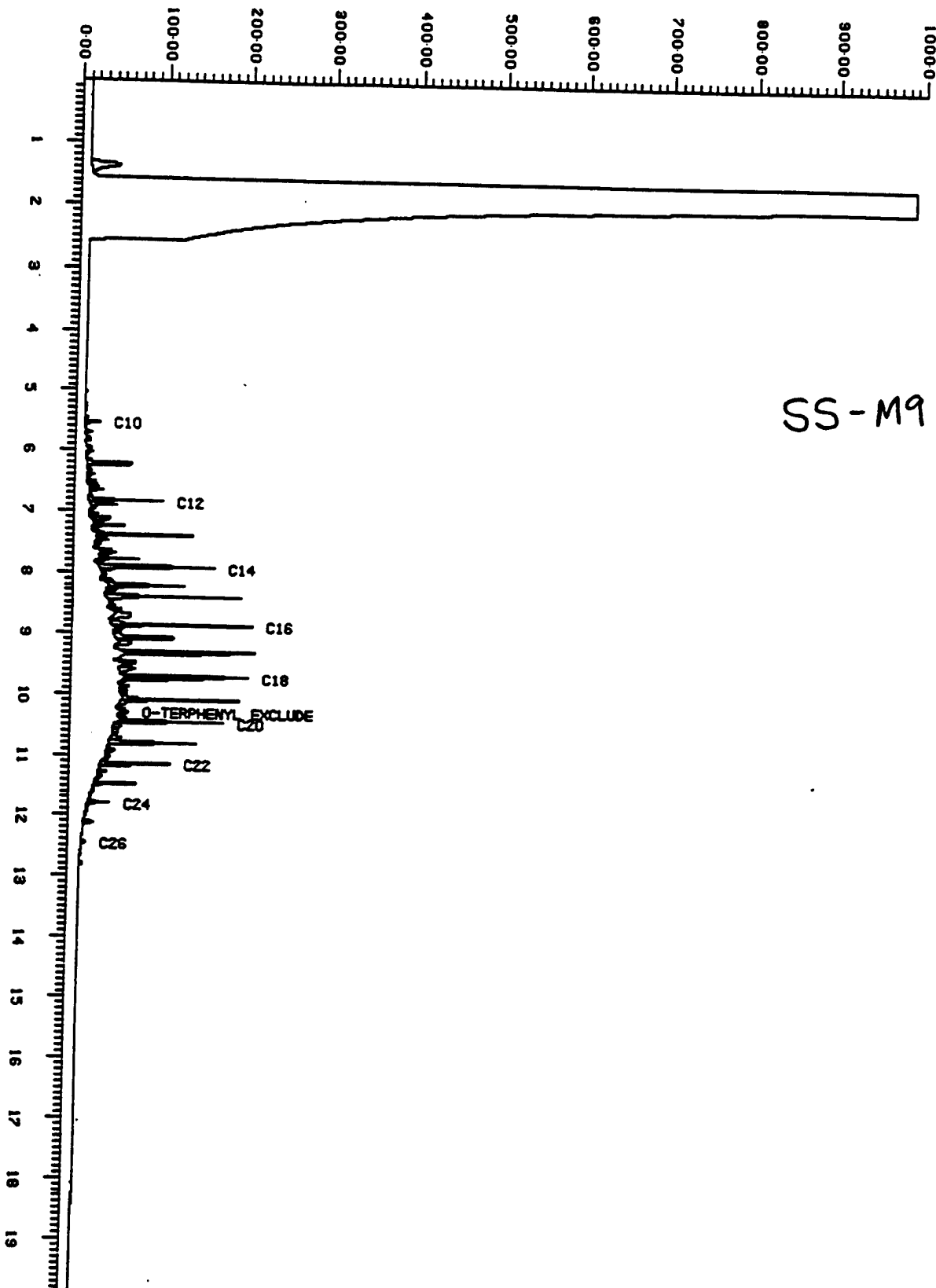
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Acquired on 9-DEC-1996 at 21:19

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

QC 12/10



SS-M9-01

[FID12\_2] 76 Z09DEC96,14,1

52678-08

T=SA.

Amount : 1.000.

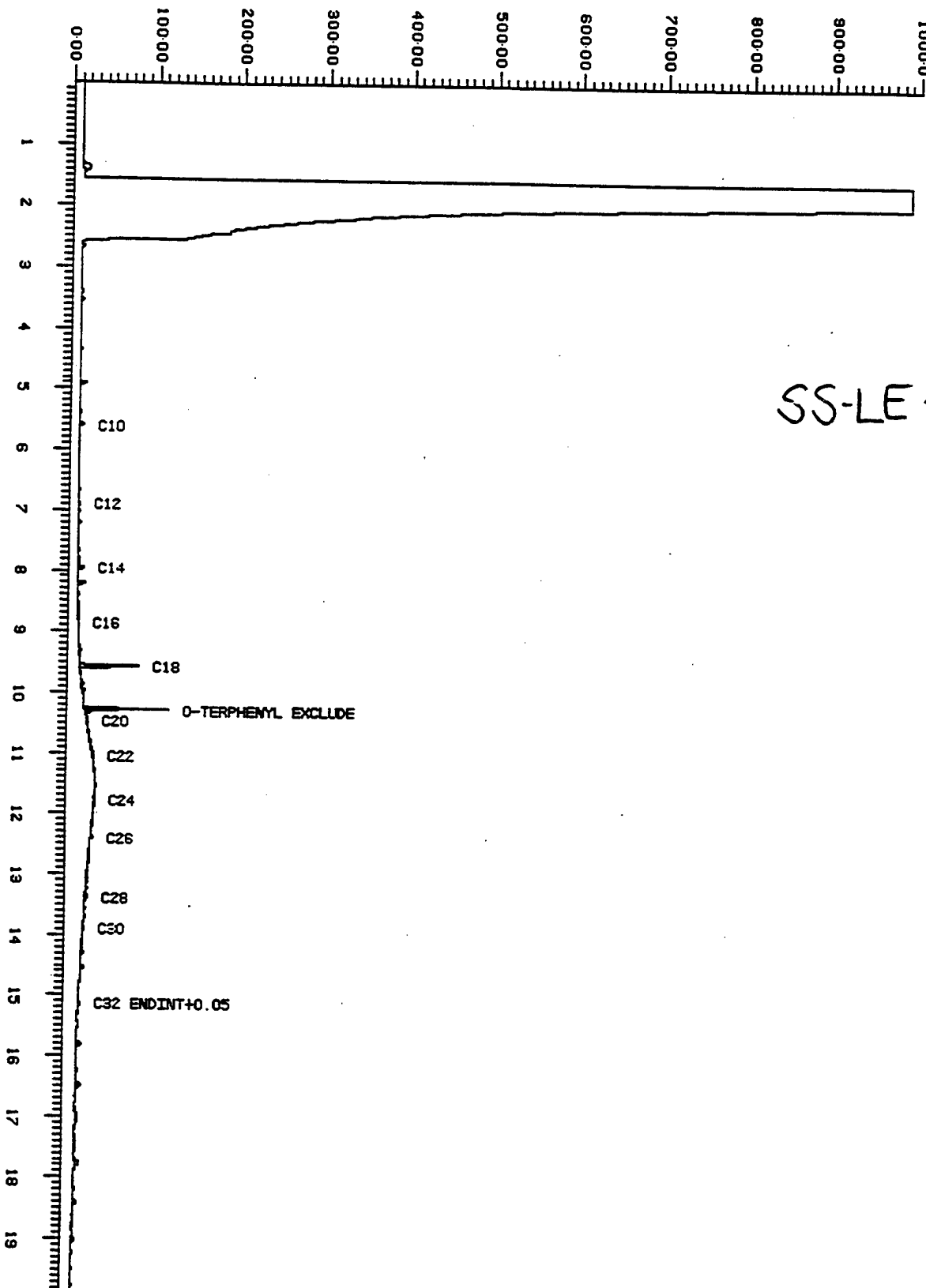
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Acquired on 9-DEC-1996 at 18:31

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*Ph 1210*



SS-LE-02



Quanterra Denver Multichrom V2.1

[FID12\_2] 76 Z10DEC96,9,1

52678-07

T-SA.

Amount : 1.000.

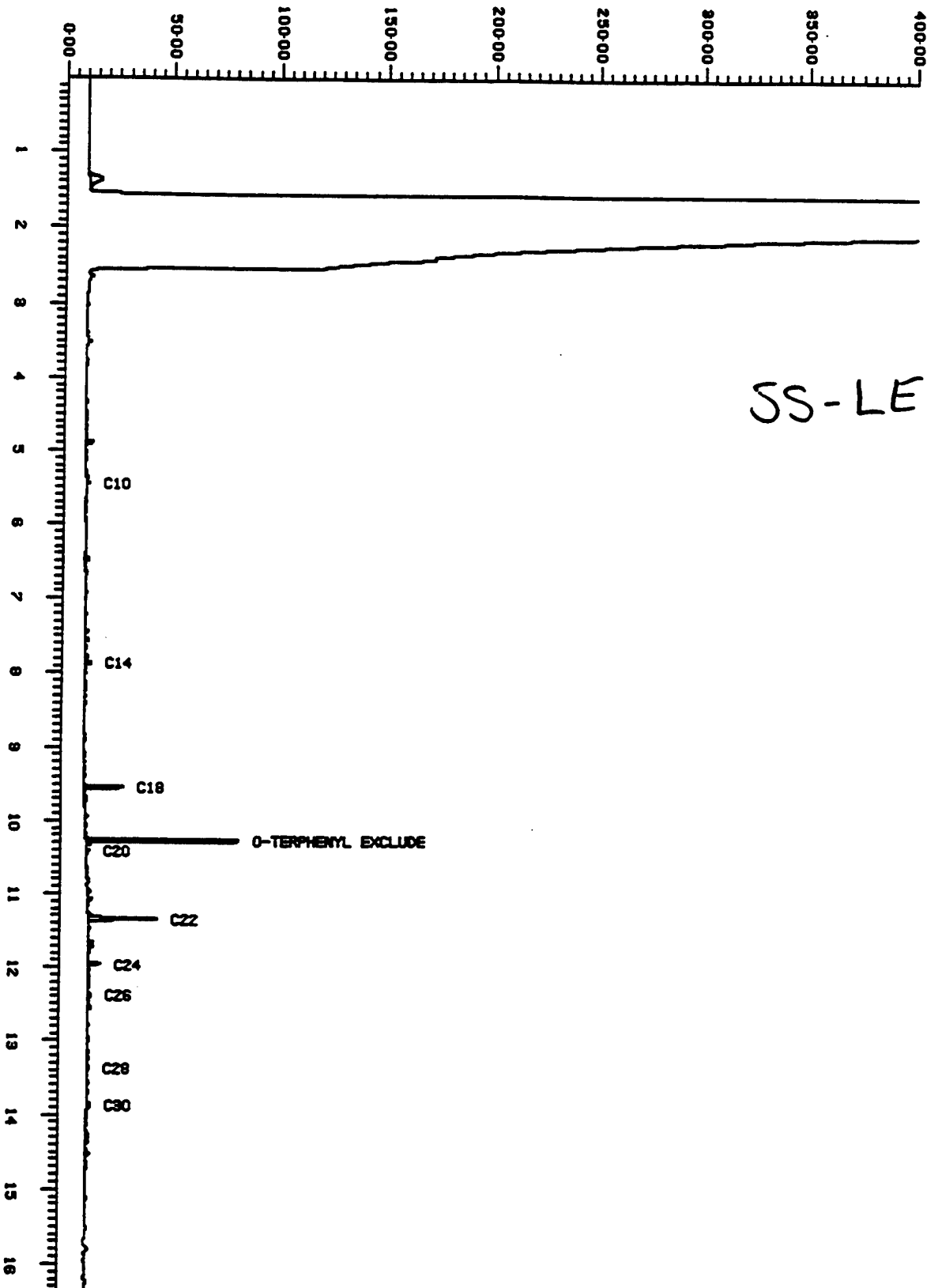
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Box 1 (of 1)

*PC 12/16*



SS-LE-01

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52678-11

T=SA.

Amount : 1.000.

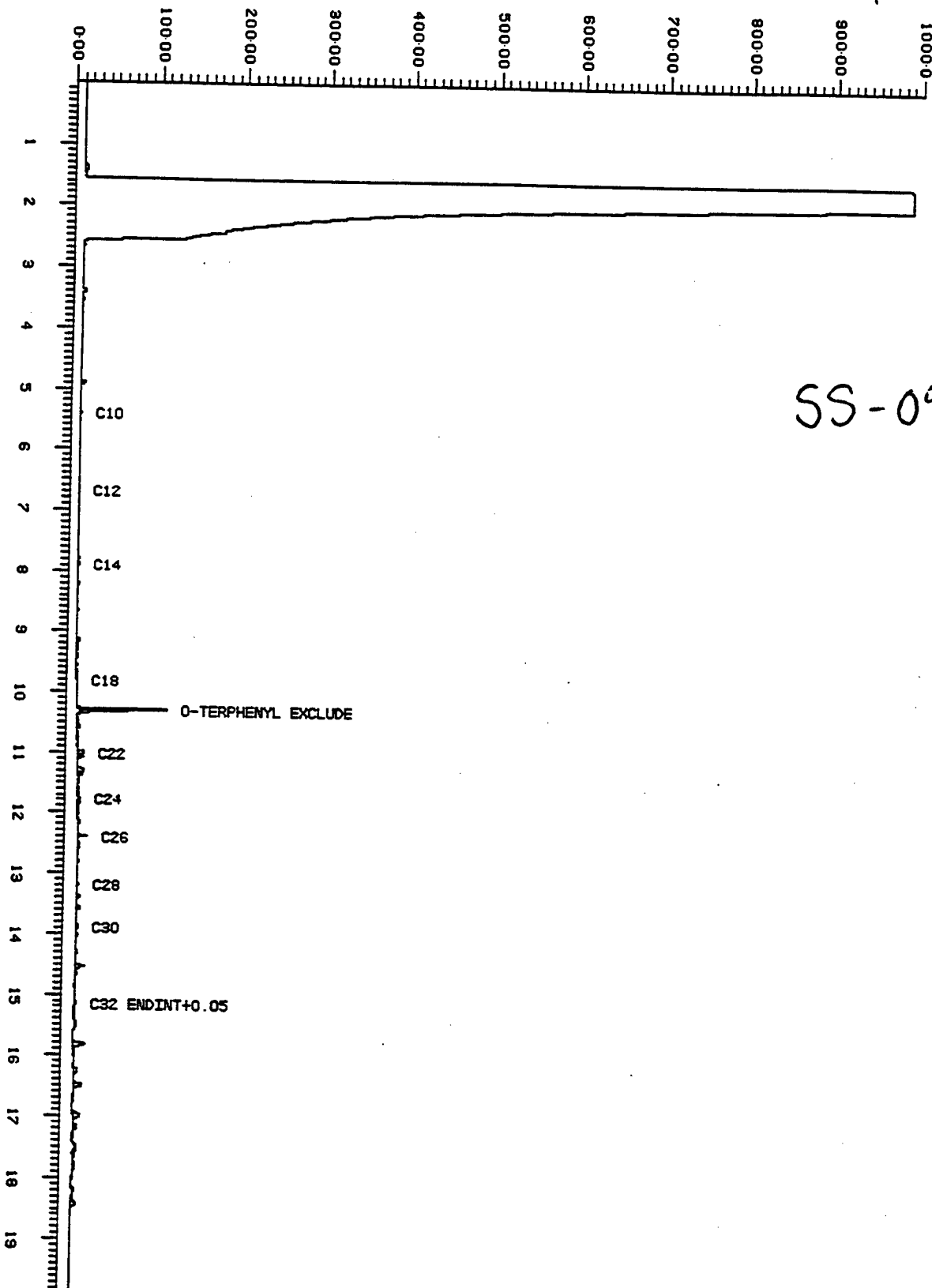
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Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*P-12/10*



SS-09-01

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52678-10

T=SA.

Amount : 1.000.

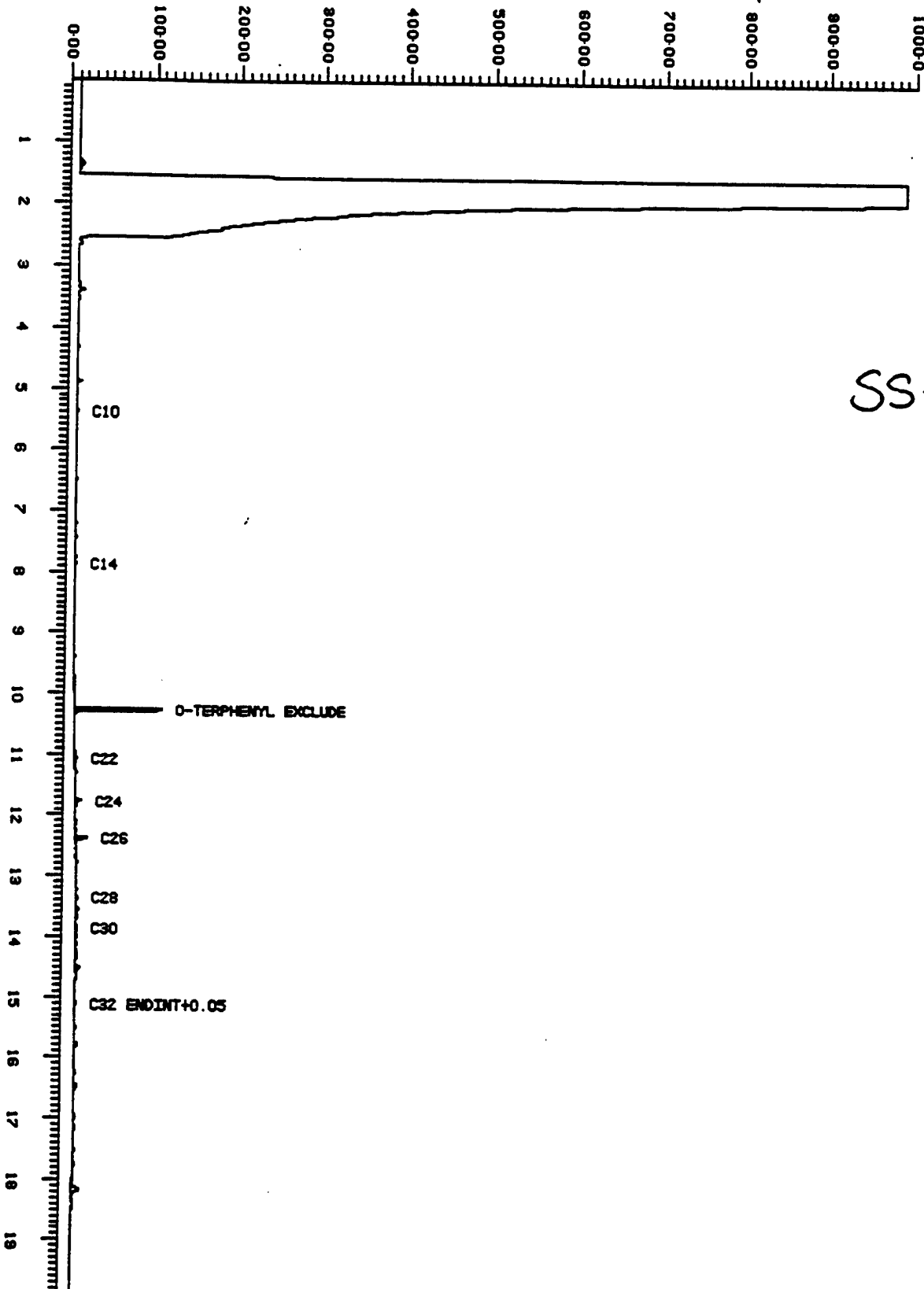
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Acquired on 9-DEC-1996 at 19:38

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Box 1 (of 1)

*Be 12/10*



SS-WW-01

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52678-09

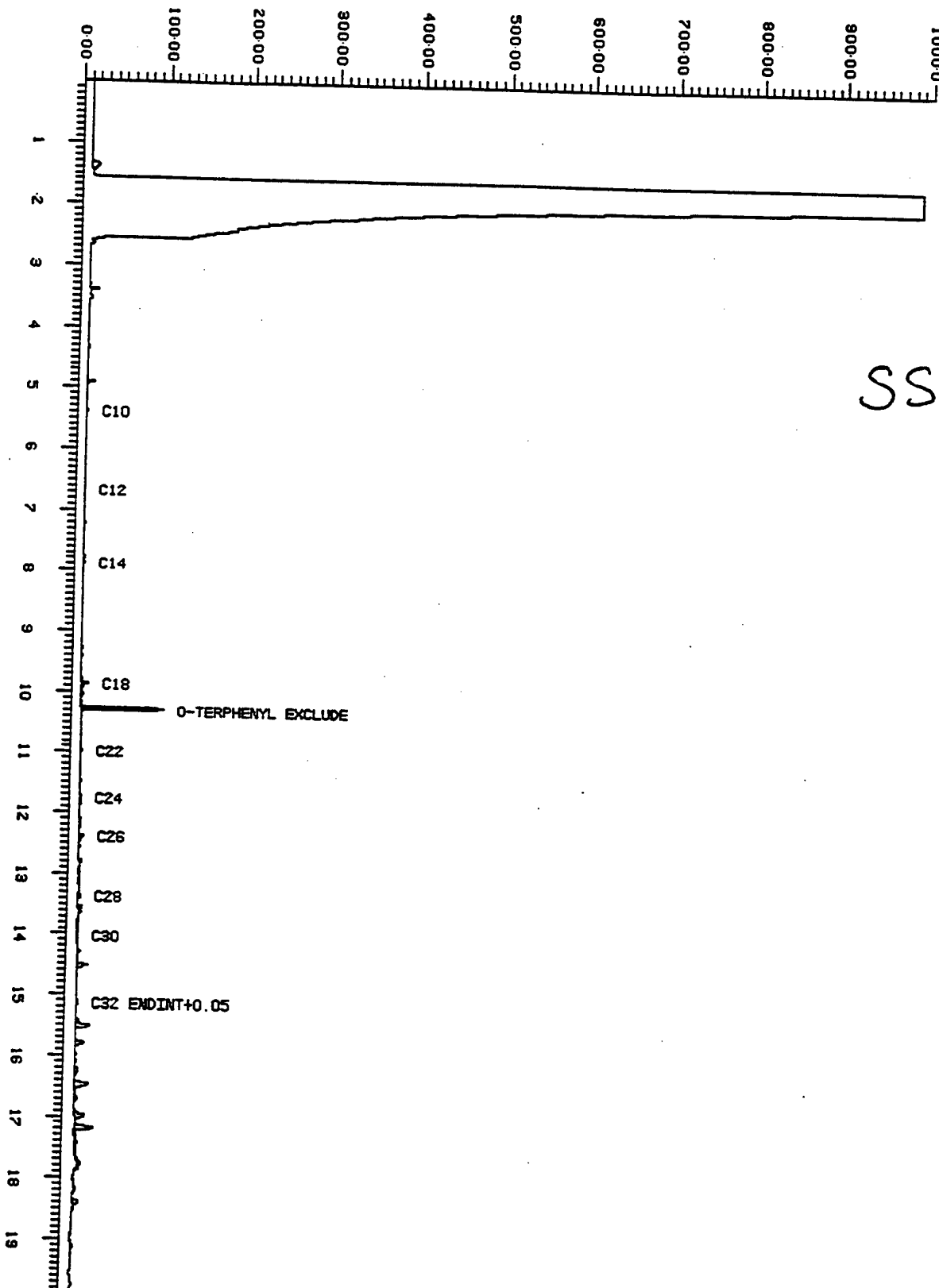
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Box 1 (of 1)

*Be 12/10*

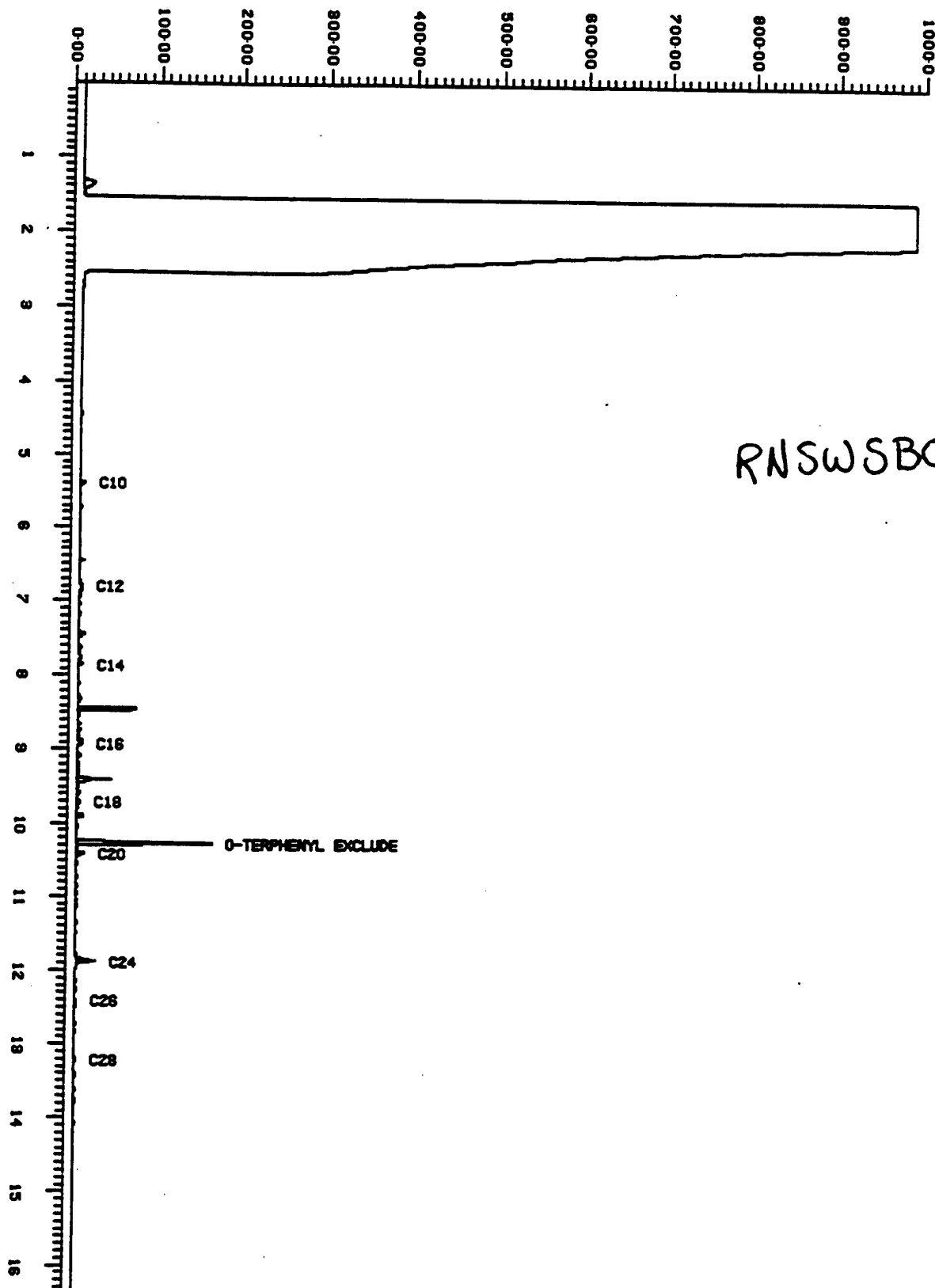


SS-CW-01

Quanterra Denver Multichrom V2.1

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Box 1 (of 1)



RNSWSB02

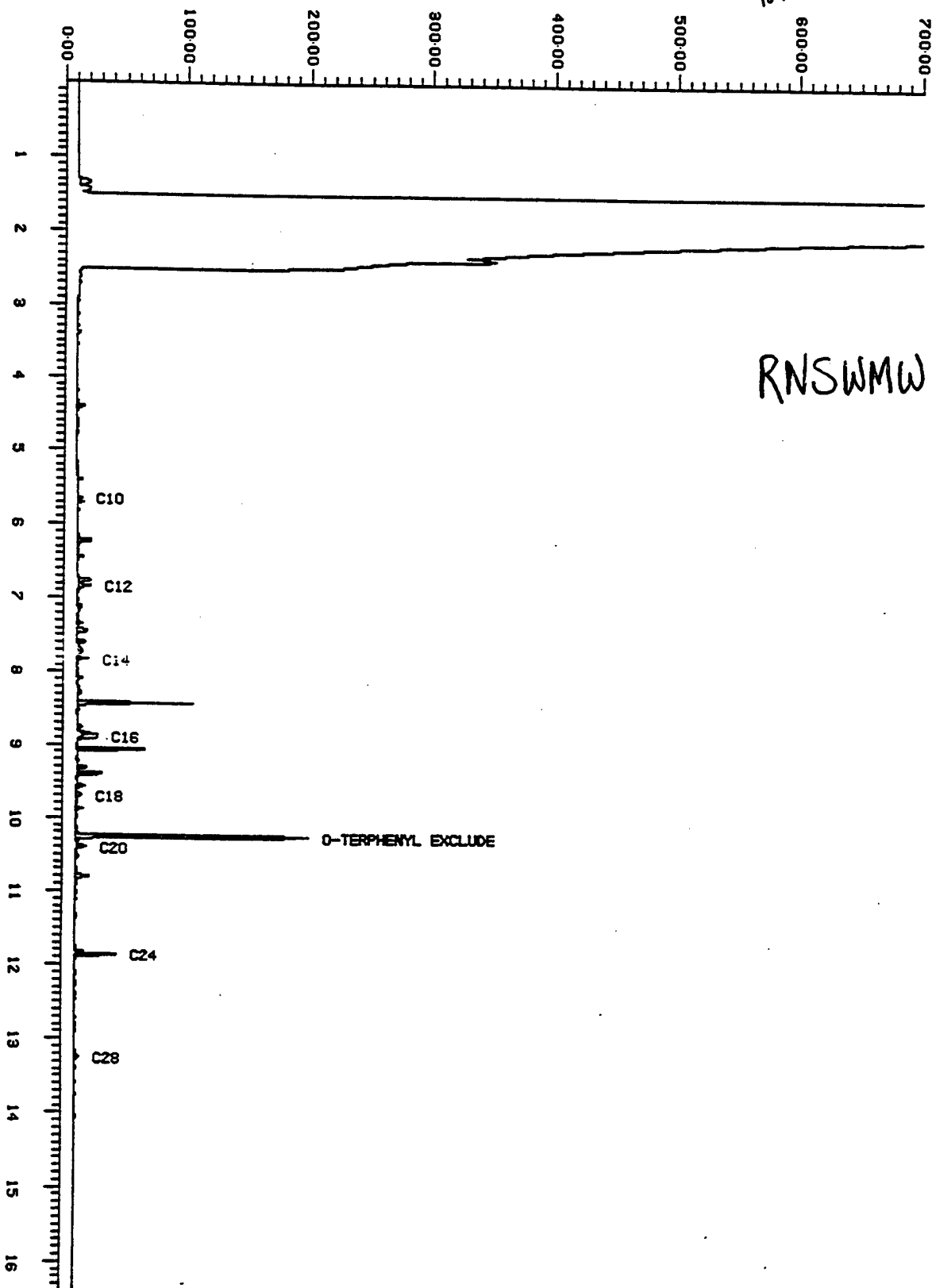
AD  
11/27

Quanterra Denver Multichrom V2.1

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Box 1 (of 1)

*pc  
12/11*

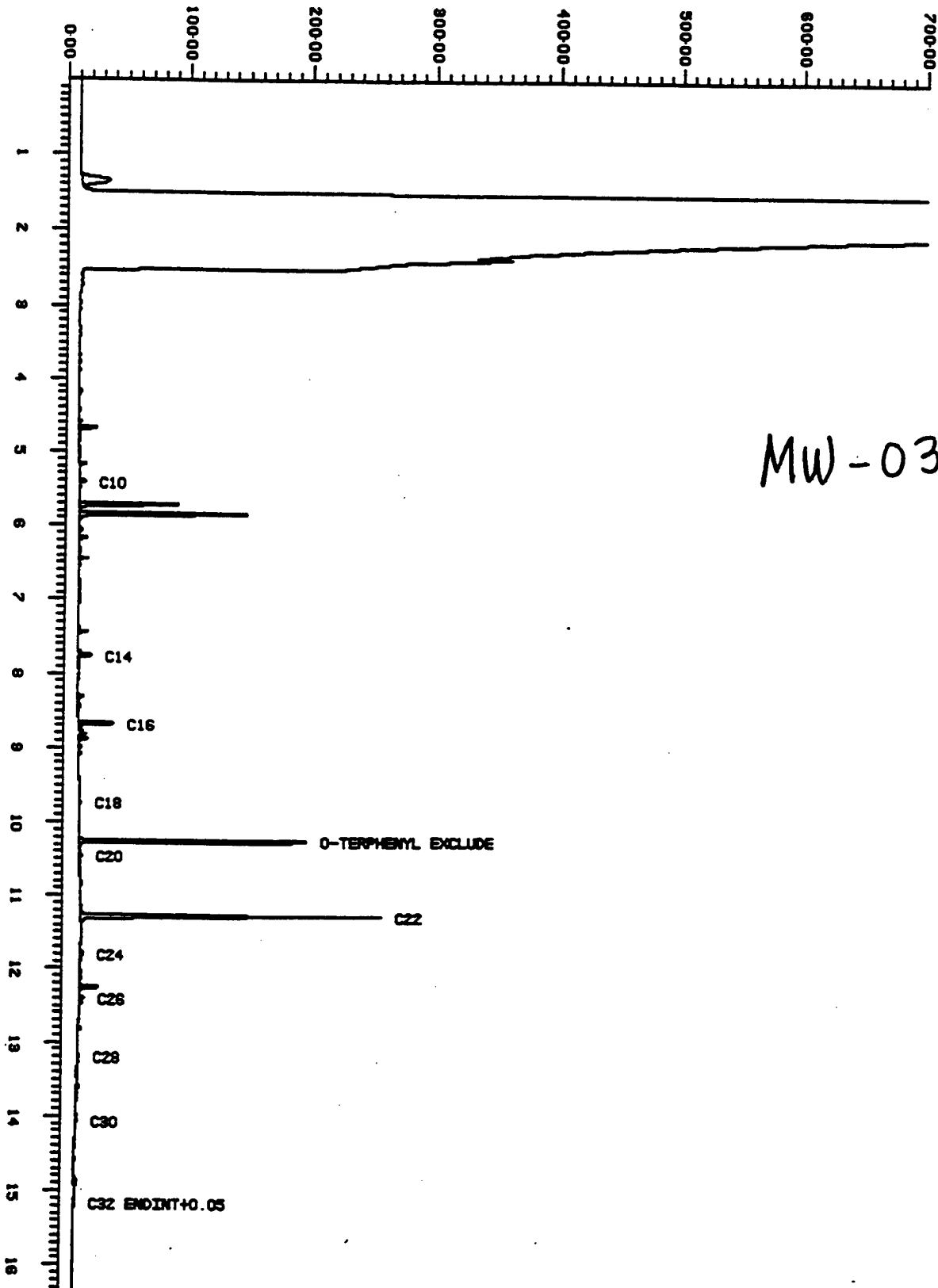


RNSWMW02

Quanterra Denver Multichrom V2.1

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Box 1 (of 1)



MW-03-02